

August 30, 2011

Jared Blumenfeld EPA Regional Administrator USEPA, Region IX - Toxics Program 75 Hawthorne Street (ORA-1) San Francisco, CA 94105

Certified Mail Receipt #: 7010 0780 0000 5787 3799

Subject: Risk Based Disposal Approval Application

SCE PCB Spill: NRC # 951155; Cal-EMA # 10-4769 (07/18/10)

Dear Mr. Blumenfeld:

Southern California Edison (SCE) respectfully submits the Attachment (1), (2), (3), (4) and (5) in response to the U.S. Environmental Protection Agency (USEPA) - Region IX's Regional PCB Coordinator request to submit an application under 40 CFR 761.61 (c) and notification in accordance to 40 CFR 761.61(a)(3)(A)-(D) pertaining to the mineral oil release containing 166 parts per million (ppm) that affected soil and groundwater from a Buried Underground Residential Distribution (BURD) transformer located at 3701 Capstan Circle, Westlake Village, California.

SCE is requesting approval to proceed with final excavation and post-cleanup verification sampling as specified within the attached Soil Excavation Work Plan (Refer to Attachment 1).

BACKGROUND

As previously requested by Carmen Santos, USEPA's Regional PCB Coordinator, SCE contacted the Los Angeles Region of the California Regional Water Quality Control Board (Los Angeles RWQCB) and obtained oversight for soil and groundwater assessment activity under the Los Angeles RWQCB Site Cleanup Program (SCP). During further discussion with USEPA, SCE agreed to submit this Soil Excavation Work Plan to both USEPA and the Los Angeles RWQCB for review and approval following the completion of the soil and groundwater assessment.

Site Assessment

On November 3, 2010, SCE submitted a Site Assessment Work Plan for soil and groundwater to the Los Angeles RWQCB and obtained approval for this work plan on November 3, 2010 (Refer to Attachment 2) with submission of a technical report by no later than January 1, 2011. In addition, SCE uploaded the Site Assessment Work Plan to Geotracker on November 8, 2010. As

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a result of a delay of approximately four weeks in obtaining the City of Westlake Encroachment Permit for sampling activities in the street, SCE obtained approval for submittal delay of the Technical Report to the Los Angeles RWQCB by no later than March 1, 2011. SCE submitted the Technical Report to the Los Angeles RWQCB on February 25, 2011. (Refer to Attachment 3).

Within the technical report submitted on February 25, 2011, SCE recommended additional soil sampling to be conducted in two focused locations that had elevated PCB concentrations of 3.7 parts per million (ppm) PCB and 6.4 ppm PCB identified during the August 9, 2010 sampling event. On April 13, 2011, SCE obtained approval from the Los Angeles RWQCB for the additional proposed assessment with submission of a technical report by no later than August 1, 2011. On May 5, 2011, SCE requested clarification from the Los Angeles RWQCB regarding the Los Angeles RWQCB's approval letter dated April 13, 2011 for the additional proposed assessment for conducting total petroleum hydrocarbon (TPH) analysis on the soil and groundwater samples utilizing EPA Test Method 8015 for testing for TPH gasoline, TPH diesel fuel and TPH motor oil.

Since the transformers contain mineral oil and do not contain gasoline, diesel fuel and motor oil, the Los Angeles RWQCB approved SCE's recommendation on May 5, 2011 to sample both groundwater and soil utilizing the EPA Test Method 8015 with a carbon chain identification method in order to isolate the carbon chain for mineral oil. SCE submitted the Technical Report with included a proposed soil excavation plan to the Los Angeles RWQCB on July 21, 2011. (Refer to Attachment 4).

Waste Management

The BURD distribution transformer and all remediation waste generated from the July 18, 2010 remediation activity was placed into 55-gallon drums and transported to SCE's Thousand Oaks Service Center for management in accordance with applicable waste regulations. The remediation waste generated from the August 9, 2010 remediation activity was placed into a roll-off bin and transported directly to Clean Harbors Grassy Mountain, LLC for management in accordance with applicable waste regulations (Refer to Attachment 5).

All waste generated from the sampling activity that occurred on May 26, 2011 that was found to be Non-Detect was placed into 55 gallon drums and managed Non-Hazardous Waste.

NOTIFICATION

(A) The nature of the contamination and the kinds of materials contaminated.

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The nature of contamination is mineral oil containing 166 ppm PCBs from a Buried Underground Residential Distribution (BURD) transformer (Manufacturer Name: General Electric; Serial # H235218P68A). The release was a result of weather condition. The kind of materials contaminated was soil and groundwater.

(B) A summary of the procedures used to sample contaminated and adjacent areas and a table or cleanup site map showing PCB concentrations measured in all pre-cleanup characterization samples. The summary must include sample collection and analysis dates. The EPA Regional Administrator may require more detailed information including, but not limited to, additional characterization sampling or all sample identification numbers from all previous characterization activities at the cleanup site.

Refer to Attachment 1 SCE Soil Excavation Work Plan, Section 2.0 Site Assessment.

(C) The location and extent of the identified contaminated area, including topographic maps with sample collection sites cross referenced to the sample identification numbers in the data summary from paragraph (a)(3)(i)(B) of this section.

Refer to Attachment 1 SCE Soil Excavation Work Plan, Figure 1 Site Location Map and Figure 2 Planned Excavation Limits Map.

(D) A cleanup plan for the site, including schedule, disposal technology, and approach. This plan should contain options and contingencies to be used if unanticipated higher concentrations or wider distributions of PCB remediation waste are found or other obstacles force changes in the cleanup approach.

Refer to Attachment 1 SCE Soil Excavation Work Plan, Section 3.0 Clean-up Plan and Post-Clean-up Verification Sampling Procedures.

USEPA WRITTEN DECISION

As specified within 40 CFR 761.61(c)(2), SCE will await USEPA's written decision to this Risk Based Disposal Approval Application prior to proceeding with final excavation and post-cleanup verification sampling as specified within the attached Soil Excavation Work Plan.

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If you have any questions, and/or need any additional information, please feel free to call me at (626) 462-8740.

Mary Zepeda

Project Manager

Operations Support Business Unit

Corporate Environment, Health & Safety

Water/Waste and Environmental Engineering Division

Technical Services and Program Management Section

Southern California Edison

cc:

Joshua Nichols Carmen Santos, USEPA Region IX's Regional PCB Administrator Peter J. Raftery, Los Angeles RWQCB

Attachment:

- (1) SCE Soil Excavation Work Plan dated August 29, 2011
- (2) SCE Site Assessment Work Plan dated October 22, 2010, Los Angeles RWQCB Approval Letter dated November 3, 2010, SCE RWQCB Geotracker Submittal Letter dated November 8, 2010, SCE Extension Request dated December 10, 2010, and Los Angeles RWQCB Approval Letter dated December 20, 2010
- (3) SCE Site Assessment Report dated February 25, 2010 and Los Angeles RWQCB Approval Letter dated April 13, 2011
- (4) SCE Site Assessment Report and Soil Excavation Plan dated June 27, 2011
- (5) Uniform Hazardous Waste Manifest # 002684980 and # 004552750 FLE
 - + TSCA Manifest Continuation Form

GEOTECH GROUP

Southern California Edison

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ATTACHMENT # 1

SCE Soil Excavation Work Plan dated August 29, 2011



An EDISON INTERNATIONAL Company

SOIL EXCAVATION WORK PLAN
NEAR THE INTERSECTION OF TRIUNFO CANYON ROAD
AND CAPSTAN CIRCLE
WESTLAKE VILLAGE, CALIFORNIA
SCE STRUCTURE #5024599
SITE CLEANUP CASE NUMBER SCP #1254

Prepared By: Southern California Edison Company Engineering & Technical Services Geotechnical Group

August 29, 2011

Soil Excavation Work Plan Near the Intersection of Triunfo Canyon Road and Capstan Circle Westlake Village, California, 91361 Case Number: (SCP #1254)

SCE Westlake Village Structure Number: 5024599

1.0 INTRODUCTION

This Southern California Edison Company (SCE) Soil Excavation Work Plan is for soil excavation and verification sampling activities following a release of mineral oil from a Buried Underground Residential Distribution (BURD) transformer located near the intersection of Triunfo Canyon Road and Capstan Circle (Figure 1). The BURD transformer is located below grade in the front yard of a single-family residence in Westlake Village, CA.

On July 18, 2010 SCE discovered that the BURD transformer had released an estimated 30 gallons of mineral oil. Initial excavation activities obtained 5 soil samples from the bottom of a 3' x 3 ½' by 7-foot deep excavation. One sample of mineral oil was collected from the BURD and tested for Polychlorinated Biphenyls (PCB) content. The analytical laboratory results for the mineral oil sample indicated a PCB concentration of 166 parts per million (ppm). The analytical laboratory results for the July 18, 2010 soil samples measured concentrations of PCBs ranging from 0.19 ppm to 1.5 ppm.

After further excavation on August 9, 2010, 4 additional soil samples were collected from the sidewalls at the 8 foot depth, and 1 water sample was obtained from the bottom of the 9-foot deep excavation. PCB concentrations in soil ranged from less than 0.02 ppm to 6.4 ppm. The water sample showed a PCB concentration of 1,900 micrograms/liter (µg/l); however entrained sediment and/or absence of purging may have influenced the result. The analytical testing data from these initial excavation activities is summarized in Table 1.

Table 1 – Summary of PCB & TPH Detections From Excavation

Sample	Sample	Sample	Sample	TEPH Result	PCB Result
Date	Number	Depth	Location	(mg/kg or mg/l)	(mg/kg or ug/L)
7/18/10	1	3 ft	NW Wall	12,000 mg/kg	0.70 mg/kg
7/18/10	2	3 ft	SW Wall	5,600 mg/kg	0.19 mg/kg
7/18/10	3	3 ft	NE Wall	12,000 mg/kg	1.5 mg/kg
7/18/10	4	3 ft	SE Wall	7,900 mg/kg	0.68 mg/kg
7/18/10	5	3 ft	Center	2,200 mg/kg	0.44 mg/kg
8/9/10	1	8 ft	West Wall	<1.0 mg/kg	<0.02 mg/kg
8/9/10	2	8 ft	North Wall	7,300 mg/kg	3.7 mg/kg
8/9/10	3	8 ft	East Wall	25,000 mg/kg	6.4 mg/kg
8/9/10	4	8 ft	South Wall	260 mg/kg	0.34 mg/kg
8/9/10	5	9 ft	Center (Water)	2,800 mg/L	1,900 μg/L

2.0 SITE ASSESSMENT

Soil and groundwater sampling was conducted in January and May of 2011 to assess the extent of the observed PCB impacted soil and confirm the detection in groundwater. The results of these assessments did not detect the presence of PCB or petroleum hydrocarbon in groundwater, and showed that the extent of the impacted soils was limited to the immediate area surrounding the BURD structure. The site assessment reports contain all analytical laboratory reports, boring logs and other assessment data. These reports are:

- Site Assessment Report, Near the Intersection of Triunfo Canyon Road and Capstan Circle, Westlake Village, California, February 25, 2011
- Site Assessment Report & Soil Excavation Plan, Near the Intersection of Triunfo Canyon Road and Capstan Circle, Westlake Village, California, June 27, 2011.

Tables 2 and 3 summarize the data from the January and May 2011 site assessment activities.

Table 2 – Summary of Analytical Testing of Soil

Boring	Sample	Sample	TPH	PCB
Number	Date	Depth	(mg/kg)	(mg/kg)
DP-1	1/12/11	8 ft	Not Analyzed	ND
DP-2	1/12/11	7 ft	Not Analyzed	ND
DP-3	1/12/11	8 ft	Not Analyzed	ND
DP-4	1/12/11	8 ft	Not Analyzed	ND
HA-1	1/12/11	9 ft	Not Analyzed	ND
HA-2	1/12/11	6 ft	Not Analyzed	ND
DP-5	5/26/11	7 ft	ND	ND
DP-6	5/26/11	7 ft	ND	ND
DP-7	5/26/11	7 ft	ND	ND

Table 3 – Summary of Analytical Testing of Groundwater

Boring	Sample	Sample	TPH	PCB
Number	Date	Depth	(mg/kg)	(ug/L)
DP-1	1/12/11	8 ft	Not Analyzed	ND
DP-2	1/12/11	7 ft	Not Analyzed	ND
DP-3	1/12/11	8 ft	Not Analyzed	ND
DP-4	1/12/11	8 ft	Not Analyzed	ND
HA-1	1/12/11	9 ft	Not Analyzed	ND
HA-2	1/12/11	6 ft	Not Analyzed	ND
DP-6	5/26/11	11 ft	ND	ND
DP-7	5/26/11	11 ft	ND	ND

The sampling procedures used during both phases of site assessment were identical. Soil samples were obtained with either 1-inch diameter clear plastic liners advanced with direct push equipment or a glass jar from a hand augered boring. All boreholes were logged for soil description.

After advancing the boring to the target depth, a temporary well point constructed of 1-inch schedule 40 PVC casing with a 5 foot long well screen was placed in the borehole. Each well point was purged until the water appeared clear and then one groundwater grab sample was collected with a peristaltic pump. At the completion of groundwater sampling, the temporary well point was removed and the boring backfilled by using a 95% Portland cement/5% bentonite slurry, and the asphalt surface patched. Details of these site assessments are contained in the reports referenced above.

3.0 <u>CLEAN-UP PLAN AND POST-CLEAN-UP VERIFICATION SAMPLING</u> PROCEDURES

Figure 2 shows the anticipated limits of the proposed excavation area. From the site assessment data, the impacted soils are in a very limited area and additional excavation is not expected. Following excavation of the impacted area, post-clean-up verification samples will be collected. These samples will be collected with hand tools from the walls of the excavation at the approximate 8-foot depth. Laboratory supplied glass jars will be used. All soil samples will be sent to a state-certified analytical laboratory for analysis, and will individually analyzed. The samples will be analyzed on a rush basis so verification that PCB soils have been removed and the excavation can be backfilled.

An excavation log will be maintained for all operations as a record of visual descriptions made in the field. The log will be completed by the geologist or engineer supervising the excavation activities. The location and dimension of the excavation along with the location of all verification samples will be entered on the log. All soil sampling equipment and associated tools including hand-augers and split-spoon samplers will be decontaminated by a three-step process:

- Scrubbing with potable water to remove soil particles
- Washing with a non-phosphate detergent
- Rinsing with potable water

Additional decontamination procedures for sampling equipment will be conducted in accordance with 40CFR 761.79(c).

The field schedule for removal of buried utilities, excavation, laboratory analysis and replacement of the utilities and backfill is approximately 3-4 weeks. Upon receipt of

all documentation it will be approximately one month to complete and submit the final technical report.

The PCB remediation waste generated from the additional remediation activity will be disposed based on the source oil concentration of 166 ppm.

4.0 ANALYTICAL TESTING

Soil samples will be analyzed for PCBs and TPH with carbon-chain identification from C4 through C38. The carbon-chain range for mineral oil is C10-C12. For this work the following range and types of hydrocarbons will be reported.

C4-C12 – Gasoline Range C8-C10 – Lighter than Diesel C10-C18, C18-C28 – Diesel Range C18-C36 – Motor Oil Range C36-C40 – Heavier than Motor Oil C8-C40 – Total Petroleum Hydrocarbons

Appropriate containers, preservation, and analytical holding times are presented in Table 4.

Table 4 - Sample Containers and Preservation

Media	EPA Analytical Method	Container	Preservation	Analytical Holding Time
Soil	PCB (8082)	Glass jar	Cool to 4° C	14 days (extraction) 40 days (analysis)
	TPH (8015)	Glass jar	Cool to 4° C	14 days

The project location, sampling date and time, sample containers, requested analyses, person(s) collecting and relinquishing the samples, and sample identification will be indicated on the chain-of-custody (COC) record. Each sample collected shall be labeled with the following information:

- Project name and number
- Sample number and depth
- Date/time of collection
- Requested Analysis

Each glass jar will be closed tightly and placed inside an appropriate sized cooler and packed with adequate temperature controls to maintain sample integrity until receipt by the laboratory. All samples will be transported to the laboratory by field personnel or laboratory courier. All samples will be accompanied by a properly completed COC form. The sample numbers and locations will be listed on the COC form and will match the information on the individual sample labels. When transferring the possession of samples, the individual relinquishing and receiving will sign, date, and note the time on the record.

Duplicate soil samples of soil will be collected at a rate of 10% of the total collected. An equipment rinsate blank will also be collected by pouring water provided by the laboratory over a decontaminated piece of equipment.

5.0 REPORTING

After field operations are complete and the analytical laboratory data received, a Post-Cleanup Verification Sampling Report will be prepared. This report will describe the field activities and present results of the analytical testing. Figures and tables will be prepared to support the text, as necessary. All analytical laboratory reports, COC and disposal documentation will be included. The report will be signed and stamped by a California Professional Geologist.

6.0 PROFESSIONAL DECLARATION

This document was prepared under the direction and supervision of David M. Van Horsen, a California Professional Geologist with expertise in these types of projects. His signature and stamp appear below:

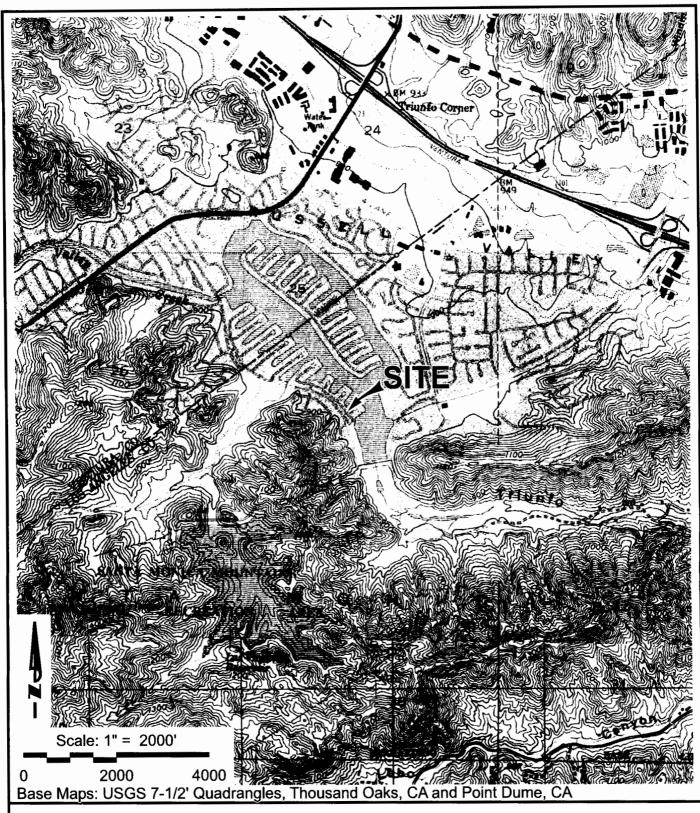
DAVID
ON M.
VAN HORSEN
No. 2418
CERTIFIED
ENGINEERING
ENGINEERING
OF CALFORD
OF CALFORD

David M. Van Horsen

CA Certified Engineering Geologist #2418

Davit M. Van Hoven

August 29, 2011

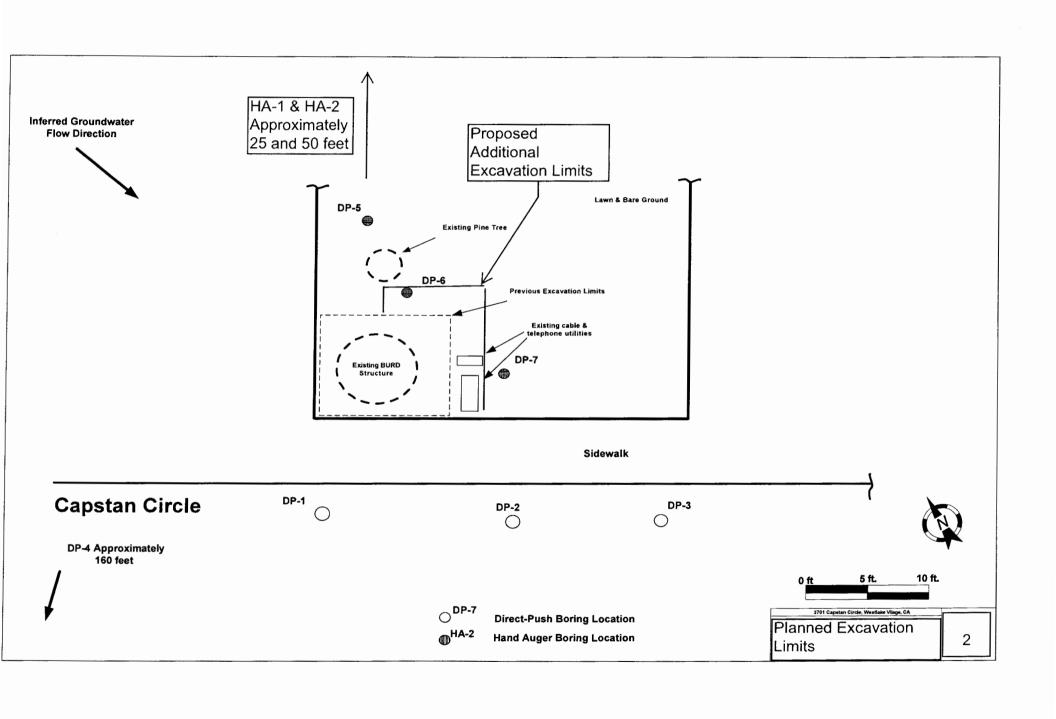




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Figure 1 Site Location

3701 Capstan Circle Westlake Villiage, CA



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ATTACHMENT # 2

SCE Site Assessment Work Plan dated October 22, 2010
Los Angeles RWQCB Approval Letter dated November 3, 2010
SCE RWQCB Geotracker Submittal Letter dated November 8, 2010
SCE Extension Request dated December 10, 2010
Los Angeles RWQCB Approval Letter dated December 20, 2010



November 3, 2010

Peter J. Raftery, PG, CHG Engineering Geologist Los Angeles Regional Water Quality Control Board 320 W. 4th Street, Suite 200 Los Angeles, CA 90013

Certified Mail Receipt #: 7010 0780 0000 5788 7567

Subject:

Site Cleanup Program Oversight Cost Reimbursement Account

File Number: Spill Cleanup Program No. 1254

Site Name:

SCE - Westlake Village (Structure # 5024599)

Near Intersection of Triunfo Canyon Road and Capstan Circle, Westlake Village,

California -

Dear Mr. Raftery:

Southern California Edison Company (SCE) respectfully submits Enclosure (1) Site Assessment Work Plan for the field investigative sampling activity for the site listed above. As requested, SCE will upload an electronic copy of this submittal to Geotracker. If you have any questions and/or need any additional information, please feel free to call me at (626) 302-4845.

Sincerely,

Mary Zepeda

Project Manager

Operations Support Business Unit

Corporate Environment, Health & Safety

Water/Waste Division

Technical Services and Program Management Section

Southern California Edison

Cc:

Eric Hodder David Van Horsen

Joshua Nichols

Kenny Herrera Miguel Flores

Enclosure:

(1) Site Assessment Work Plan

P.O. Box 800 2244 Walnut Grove Ave. Rosemead, CA 91770

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Southern California Edison



An EDISON INTERNATIONAL Company

SITE ASSESSMENT WORK PLAN
NEAR THE INTERSECTION OF TRIUNFO CANYON ROAD
AND CAPSTAN CIRCLE
WESTLAKE VILLAGE, CALIFORNIA
SCE STRUCTURE #5024599
SITE CLEANUP CASE NUMBER SCP #1254

Prepared By: Southern California Edison Company Engineering & Technical Services Civil/Structural/ Geotechnical Group

October 22, 2010

Site Assessment Work Plan Near the Intersection of Triunfo Canyon Road and Capstan Circle Westlake Village, California, 91361 Case Number: (SCP #1254)

SCE Westlake Village Structure Number: 5024599

1.0 INTRODUCTION

This Southern California Edison Company (SCE) Site Assessment Work Plan is for soil and groundwater sampling activities following a mineral oil release from a Buried Underground Residential Distribution (BURD) transformer located near the intersection of Triunfo Canyon Road and Capstan Circle (Figure 1). The BURD transformer is located below grade in the front yard of a single-family residence in Westlake Village, CA (Figure 2).

On July 18, 2010 SCE discovered that the BURD transformer at above subject property had released approximately 30 gallons of mineral oil. Following the release, initial remediation activities obtained 5 soil samples from the bottom of a 3' x 3 ½' excavation. One mineral oil sample from the transformer was also collected for Polychlorinated Biphenyls (PCB) determination. The analytical laboratory results for mineral oil indicated a PCB concentration of 166 parts per million (ppm). The analytical laboratory results for soil indicated a concentration of PCBs ranging from 0.19 ppm to 1.5 ppm. While conducting further remediation activities on August 9, 2010, SCE obtained 4 soil samples (at 8 feet) and 1 groundwater sample (at 9 feet) from the bottom of a 9 foot deep excavation. PCB concentrations in soil ranged from less than 0.02 ppm to 6.4 ppm. The water sample showed the presence of PCBs at a concentration of 1.9 milligrams/liter.

Based on these analytical results, the Los Angeles Regional Water Quality Control Board requested additional sampling of groundwater and soil samples to determine the extent of PCB contamination.

1.1 Site Geology and Groundwater Conditions

The project site is located within an alluvial valley in the Santa Monica Mountains. According to the Dibblee Geologic Map of the Thousand Oaks Quadrangle (1993) the site is on Quaternary alluvial sand and gravel. The residential subdivision appears to have been created by excavating the alluvial gravels along Triunfo Creek to the underlying bedrock to create a lake. It is thought that artificial fill was placed on the excavated surfaces for the building pads.

This site is unique because the enlarging of Triunfo Creek created a man-made recreational lake. Water in this lake is not used for drinking water purposes. Based on the excavation activities described above the water level at the project site is

approximately 9 feet below ground surface (bgs). This shallow depth is probably representative of the surrounding recreational lake.

2.0 SCOPE OF WORK

The scope of this investigation includes:

- Completion of 6 direct push or hand auger borings to an approximate depth of 12 feet bgs.
- Collection of 1 soil sample from location from the soil-water interface.
- Collection of 1 groundwater sample from each location.
- Analytical testing of the collected soil and groundwater samples.
- · Preparation of an investigation report.

Observations from recent soil removal activities indicate groundwater is present at 8 feet bgs. The shallow depth to groundwater indicates local infiltration from an adjacent man-made lake, not a regional condition. Figure 2 provides the general layout of the site and locations of the proposed sampling points. A site specific health and safety plan was prepared for this project and is included as Appendix A.

3.0 FIELD INVESTIGATION

3.1 Soil Sampling

Soil samples will be collected from the soil-water interface by either hand auger or direct-push sample techniques. Soil samples will be collected into either acetate probe liners or laboratory supplied glass jars. All soil samples will be sent to a state-certified analytical laboratory for analysis. All samples shall be individually analyzed. At the end of drilling, the boring will be backfilled with bentonite chips, hydrated, and the surface repaired. The soil cuttings will be contained in drums and properly labeled until receipt of the analytical testing.

A soil boring log will be maintained for all soil sampling operations as a record of visual descriptions made in the field. The log will be completed by the geologist or engineer supervising the soil sampling operations. This log will contain a detailed description of the soil encountered per American Society Testing & Methods (ASTM) Method D2488-84. The descriptions will include appropriate information such as organic material content, grain size distribution, plasticity, mottling, color, odor, relative moisture content, consistency, density, grain shape and lithology, and the Unified Soil Classification System (USCS) group symbol. All soil sampling operations will be conducted under the direction or supervision of a California Professional Geologist.

All soil sampling equipment and associated tools including hand-augers and splitspoon samplers will be decontaminated by a three-step process:

- Scrubbing with potable water to remove soil particles
- · Washing with a non-phosphate detergent
- Rinsing with potable water

Drilling and sampling equipment will be cleaned and decontaminated before arriving on site. All decontamination water will be contained in drums and labeled properly until receipt of laboratory analysis.

3.2 Groundwater Sampling

One groundwater sample from each boring will be collected with either a precleaned, disposable bailer or peristaltic pump. The groundwater sample will be placed into laboratory provided glassware and sent to a state-certified analytical laboratory. The sample container will be pre-preserved if preservation is necessary. The groundwater sample will be analyzed for the same analytes as the soil samples. All groundwater sampling will be conducted under the direction or supervision of a California Professional Geologist.

4.0 ANALYTICAL TESTING

Soil and groundwater samples will be analyzed for PCBs. Appropriate containers, preservation, and analytical holding times are presented in Table 4-1.

Table 4-1 Sample Containers and Preservation

Media	Parameters (EPA Method)	Container	Preservation	Analytical Holding Time
Soil	PCB (8082)	Acetate sleeve or glass jar	Cool to 4° C	14 days (extraction) 40 days (analysis)
Groundwater	PCB (8082)	1 1-Liter amber glass bottle	Cool to 4° C	7 days (extraction) 40 days (analysis)

The project location, sampling date and time, sample containers, requested analyses, person(s) collecting and relinquishing the samples, and sample identification will be indicated on the chain-of-custody (COC) record. Each sample collected shall be labeled with the following information:

- Project name and number
- Boring & sample number and depth
- · Date/time of collection
- Requested Analysis

Each acetate sleeve will be sealed with Teflon film and plastic end caps and placed inside an appropriate sized cooler and packed with adequate temperature controls to maintain sample integrity until receipt by the laboratory. All samples will be transported to the laboratory by field personnel, or laboratory courier. Sample bottles for soil and groundwater sampling will be provided by the laboratory in quality-controlled containers. All samples will be accompanied by a properly completed COC form. The sample numbers and locations will be listed on the COC form and will match the information on the individual sample labels. When transferring the possession of samples, the individual relinquishing and receiving will sign, date, and note the time on the record.

Duplicate samples of both soil and groundwater will be collected at a rate of 10% of the total collected for each media. An equipment rinsate blank will also be collected by pouring water provided by the laboratory over a decontaminated piece of equipment.

5.0 REPORTING

After field operations are complete and the analytical laboratory data received, a Site Assessment Report will be prepared. This report will describe the field activities and present results of the analytical testing. Figures and tables will be prepared to support the text, as necessary. A soil boring log and copy of the COC will also be included. Recommendations regarding findings will be offered. The report will be stamped by a California Professional Geologist.

6.0 PROFESSIONAL DECLARATION

This document was prepared under the direction and supervision of David M. Van Horsen, a California Professional Geologist with expertise in these types of projects. His signature and stamp appear below:

David M. Van Horsen

CA Certified Engineering Geologist #2418

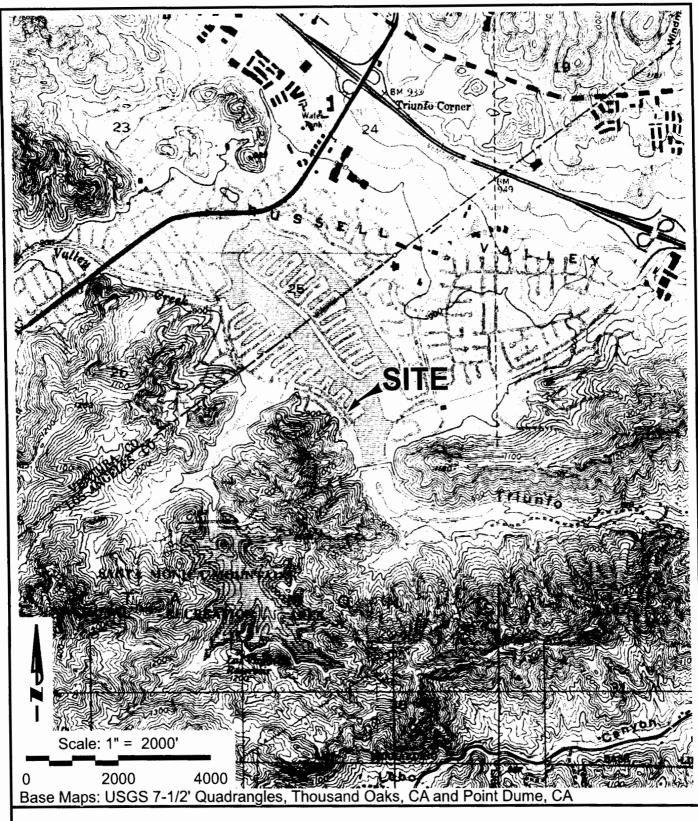
VAN HORSEN No. 2418 CERTIFIED ENGINEERING

David M. Van Hoven

October 22, 2010

FIGURES

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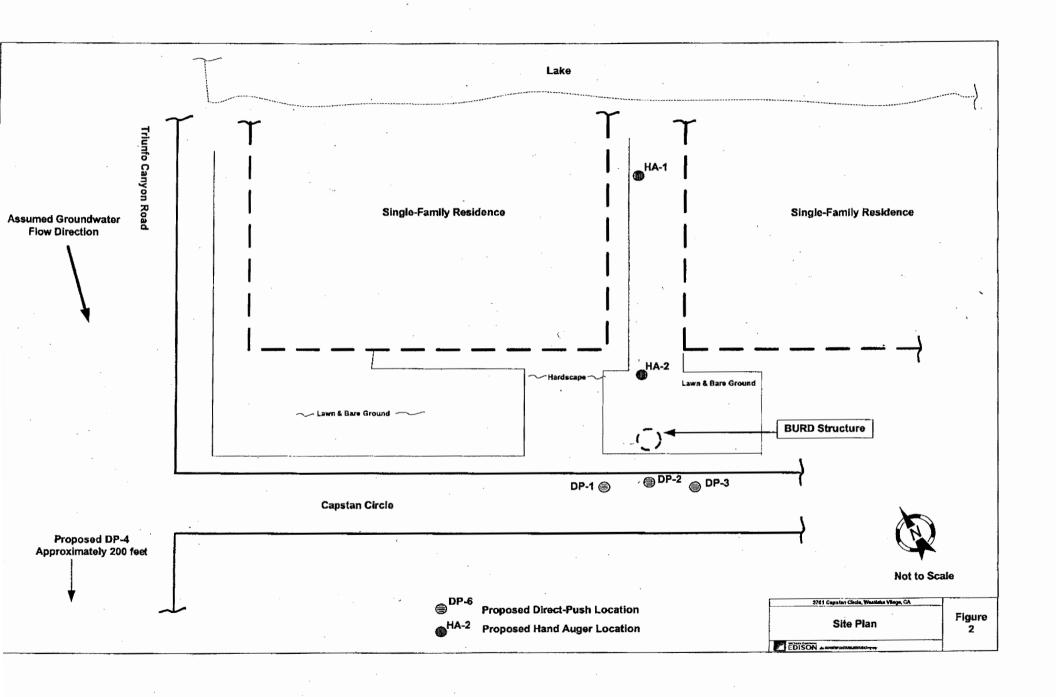




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Figure 1 Site Location

3701 Capstan Circle Westlake Villiage, CA



APPENDIX A SITE HEALTH AND SAFETY PLAN

SITE SAFETY AND HEALTH PLAN

CLIENT: OS CEH&S TECHNICAL SVCS/PRG MNGMNT GRP

CLIENT CONTACT:

Mary Zepeda

CLIENT CELL: 626-484-6874

CLIENT OFFICE TELEPHONE:

626-302-4845

SITE NAME:

BURD Transformer (Intersection of Triunfo Road and Capstan Circle)

SITE ADDRESS: 3701 Capstan Circle, Westlake Village, CA 91361

SITE CONTACT: Miguel Flores

October 22, 2010

SSHP EXPIRATION: March 31, 2011

PROJECT MANAGER:

FIELD MANAGER:

Miguel Flores David Van Horsen/Ethan Carlisle

SUBCONTRACTOR:

Gregg Drilling & Testing

DISCLAIMER

This Site Safety and Health Plan have been written for the use of SCE and its employees. It may also be used as a quidance document by properly trained and experienced SCE subcontractors. However, SCE does not guarantee the health or safety of any person entering the site.

Due to the nature of the site and the activity occurring thereon, it is not possible to discover, evaluate, and provide protection for all possible hazards which may be encountered. Strict adherence to the health and safety guidelines set forth herein will reduce, but not eliminate, the potential for injury on the site. The health and safety guidelines in this plan were prepared specifically for this site and should not be used on any other site without prior research by trained health and safety specialists. All personnel participating in the field must be trained in the general and specific hazards unique to the job and, if applicable, participate in a medical surveillance program. SCE claims no responsibility for use of this plan by others. The plan is written for the specific site conditions, purposes, dates, and personnel specified and must be amended if these conditions change.

I. **Project Information**

A) Facility Site Description:

The Buried Underground Residential Distribution (BURD) transformer is located near the intersection of Triunfo Road and Capstan Circle. The BURD structure is located in the front yard of a personal residence at 3701 Capstan Circle, Westlake Village, CA.

B) Site Map:

A copy of the site plan prepared for the sampling and analysis plan is attached.

Entry & emergency access: 1)

Triunfo Road

- Front and side yard of personal residence at 3701 Capstan Circle. 2) Work Location: Westlake Village, and in street on Capstan Circle.
- BURD transformer in front yard of personal residence listed above. 3)
- Location of borings: Front and side yard of personal residence listed above, and in 4) street on Capstan Circle.

C) Background Information and Level of Contamination Found:

On July 18, 2010 SCE discovered that the BURD transformer at above subject property had released approximately 30 gallons of mineral oil. Following the release, initial remediation activities obtained 5 soil samples from the bottom of a 3' x 3 1/2' excavation. One mineral oil sample from the transformer was also collected for Polychlorinated Biphenyls (PCB) determination. The analytical laboratory results for mineral oil indicated a PCB concentration of 166 parts per million (ppm). The analytical laboratory results for soil indicated a concentration of PCBs ranging from 0.19 ppm to 1.5 ppm. While conducting further remediation activities on August 9, 2010, SCE obtained 4 soil samples (at 8 feet) and 1 groundwater sample (at 9 feet) from the bottom of a 9 foot deep excavation. PCB concentrations in soil ranged from less than 0.02 ppm to 6.4 ppm. The water sample showed the presence of PCBs at a concentration of 1.9 milligrams/liter. Based on these analytical results, the Los Angeles Regional Water Quality Control Board requested additional sampling of groundwater and soil samples to determine the extent of PCB contamination.

D) Scope of Work:

Advance six soil borings to depths of 12 feet (bgs); collection of 1 soil sample and 1 groundwater sample from each boring.

E) Written Work Plan:

Agency-approved work plan held on site.

F) SCE Employees:

Project Manager:

Miguel Flores

Field Supervisor: Site Safety Officer: David Van Horsen/Ethan Carlisle David Van Horsen/Ethan Carlisle

II. Job Hazard Analysis

A) Expected Job Tasks:

Set up drill rig; decontaminate equipment; soil and groundwater sample collection; abandon borings with bentonite, cleanup site.

B) Job Hazards:

Heat Stress; Slip-trip-fall injuries; Drill rig pinch/crush points; Noise; Contact with overhead and buried electrical lines

All site personnel will be required to wear basic personal protective equipment such as safety shoes and glasses, hardhats and hearing protection.

Job site is in residential neighborhood and will require traffic control

B) Utility Clearance:

- 1) Call Dig Alert: Will have ticket on site
- 2) Field clearance done by: USA and SCE contractor
- 3) List Instruments used:

III. Health Risk Analysis

A) Summary of Potential Exposure Pathways.

Skin contact with oily material; inhalation of vapors or particulates; ingestion of oily material.

Skin contact will be minimized by the use of gloves. Inhalation of particulates during drilling or sampling will be minimized by the use of water, if dust levels are significant and long-lasting. Personal hygiene procedures (washing of hands before eating) should be observed by all personnel to minimize potential ingestion of oily material.

B) Chemical Hazard Data

See attached MSDS for mineral oils and PCB commonly used by SCE.

C) Overall Rating of Risk due to Project Hazards

Serious Moderate **Low**

IV. Air Monitoring Equipment/Personal Protective Equipment and Action Levels

Monitoring is to be conducted and interpreted by the Site Safety Officer or designee, and will be performed on a periodic basis. Periodic is defined as adequate characterization before, during and after each task/activity. Monitoring should continue on a continuous basis until the operation is stable and the SSO feel that the monitoring is sufficient to adequately assess and characterize exposure during that operation. Upon task/environmental/activity stabilization, periodic monitoring, every 30 minutes is required to verify the initial exposure assessment to all chemicals identified as necessary below. Additional characterization monitoring shall begin immediately if the operation destabilizes, the environment changes, or the potential for exposure is otherwise affected.

A) Monitoring Instruments/Direct Reading Instruments

Minirae 2000 Photoionization detector or similar will be used for monitoring.

G) Personal Protective Equipment

Level D PPE will be used for this project. This includes safety shoes and glasses, hearing protection (plugs or muffs) and hard hat. Nitrile gloves will be used when handling oily soils and during groundwater sampling.

V. <u>Decontamination/Investigation Derived Waste Generation</u>

A) Sampling Equipment/Samples

3 Step decontamination procedures:

- Scrubbing with potable water to remove soil particles
- Washing with a non-phosphate detergent
- Rinsing with potable water

B) Personal Protective Equipment

- Any PPE in contact with oils should be placed in a drum.
- Disposables will be placed in a drum.

C) Heavy Equipment

- Decontaminate augers as necessary and contain run-off.

D) Investigation-Derived Waste Handling

- Drill cuttings to be placed in properly labeled drums.
- 2) Liquid generated during decontamination or sampling shall be stored in drums.
- 3) Disposable protective equipment to be placed in drum with drill cuttings.
- 4) Dust generated by site activities will be mitigated by application of water, as necessary.

VI. Site Access Procedure

On-Site Command Post: Field Manager vehicle

General: Cones, barrier tape, etc. will be utilized to segregate work area, as necessary.

Work Area Access: Limited to SCE personnel and contractors necessary to complete investigation tasks. Stop work and re-locate cones and barrier tape to allow for residential traffic.

VII. <u>Emergency Procedures</u>:

First Aid if exposed to pure mineral oil:

Eye Contact:

Irrigate Immediately

Skin Contact:

Remove clothing and wash with soap and water.

Breathing:

Move victim to fresh air.

Ingestion:

Do not induce vomiting. Seek medical attention.

Nearest Telephone: Field Manager cell phone.

EMERGENCY PHONE NO:

911

SCE OPERATOR:

626-302-1212

NEAREST HOSPITAL:

Columbia Los Robles Hospital (see attached map)

VII. Log Sheet & Tail Gate Meetings

A) Daily Tail Gate Meeting Log Sheet

Attached

Daily Tailgate Safety Meeting Log Sheet

Name:	Company:
Project: Date:	

MSDS for Mineral Oil and PCB

Monsanto*

Material Safety Data

Emergency Phone No. CHEMTREC 800-424-9300

POLYCHLORINATED BIPHENYLS (PCBs)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:

POLYCHLORINATED BIPHENYLS (PCBs)

Aroclor® Series 1016, 1221, 1232, 1242, 1248, 1254, 1260, 1262, 1268

Therminol® FR Series

Date: 9/2004

Chemical Family:

Chlorinated Hydrocarbons

Chemical Name:

Polychlorinated biphenyls PCBs, Chlorodiphenyls, Chlorinated biphenyls

Synonyms:

Trade Names/Common Names:

PYRANOL® and INERTEEN® are trade names for commonly used dielectric fluids that may have contained varying amounts of PCBs as well as other components including chlorinated benzenes.

ASKAREL is the generic name for a broad class of fire resistant synthetic chlorinated hydrocarbons and mixtures used as dielectric fluids that commonly contained about 30 - 70% PCBs. Some ASKAREL fluids contained 99% or greater PCBs and some contained no PCBs.

PYDRAUL® was the trade name for hydraulic fluids that, prior to 1972, may have contained varying amounts of PCBs and other components including phosphate esters.

THERMINOL® FR-0, -1, -2, and -3 were the trade names for heat transfer fluids that, prior to 1972, contained PCBs. THERMINOL® fluids without the FR designation, including current THERMINOL® products, did not and do not contain PCBs.

The product names/trade names are representative of several commonly used Monsanto products (or products formulated with Monsanto products). Other trademarked PCB products were marketed by Monsanto and other manufacturers. PCBs were also manufactured and sold by several European and Asian companies. Contact the manufacturer of the trademarked product, if not in this listing, to determine if the formulation contained PCBs.

In 1972, Monsanto restricted sales of PCBs to applications involving only closed electrical systems, (transformers and capacitors). In 1977, all manufacturing and sales were voluntarily terminated. In 1979, EPA restricted the manufacture, processing, use, and distribution of PCBs to specifically exempted and authorized activities.

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT

Call CHEMTREC - Day or Night - 800-424-9300 Toll free in the continental U.S., Hawaii, Puerto Rico, Canada, Alaska, or Virgin Islands. For calls originating elsewhere, call 202-483-7616 (collect calls accepted).

For additional nonemergency information, call 314-480-1677.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemically, commercial PCBs are defined as a series of technical mixtures, consisting of many congeners, that vary from mobile, oily liquids to white crystalline solids and hard noncrystalline resins. Technical products vary in composition, in the degree of chlorination, and possibly according to batch.

The mixtures generally used contain an average of 3 atoms of chlorine per molecule (42% chlorine) to 5 atoms of chlorine per module (54% chlorine). They were used as components of dielectric fluids in transformers and capacitors. Prior to 1972, PCB applications included heat transfer media, hydraulic and other industrial fluids, plasticizers, carbonless copy paper, paints, inks, and adhesives.

Component	CAS No.
chlorinated biphenyl	1336-36-3
Aroclor 1016	12674-11-2
Aroclor 1221	11104-28-2
Aroclor 1232	11141-16-5
Aroclor 1242	53469-21-9
Aroclor 1248	12672-29-6
Aroclor 1254	11097-69-1
Aroclor 1260	11096-82-5
Aroclor 1262	37324-23-5
Aroclor 1268	11100-14-4

There are also CAS Numbers for individual PCB congeners and for mixtures of Aroclor® products.

PCBs are identified as hazardous chemicals under criteria of the OSHA Hazard Communication Standard (29 CFR Part 1910.1200). PCBs have been listed in the International Agency for Research on Cancer (IARC) Monographs (1987)-Group 2A and in the National Toxicology Program (NTP) Annual Report on Carcinogens (Tenth).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance and Odor: PCB mixtures range in form and color from clear to amber liquids to white crystalline solids.

They have a mild, distinctive odor and are not volatile at room temperature. Refer to Section 9

for details.

WARNING!

CAUSES EYE IRRITATION MAY CAUSE SKIN IRRITATION

PROCESSING AT ELEVATED TEMPERATURES MAY RELEASE VAPORS OR FUMES WHICH MAY CAUSE RESPIRATORY TRACT IRRITATION

POTENTIAL HEALTH EFFECTS

Likely Routes

Inhalation:

of Exposure: Skin contact and inhalation of heated vapors

Eye Contact: Causes moderate irritation based on worker experience.

Skin Contact: Prolonged or repeated contact may result in redness, dry skin and defatting based on human

experience. A potential exists for developing chloracne. PCBs can be absorbed through intact skin. Due to the low volatility of PCBs, exposure to this material in ambient conditions is not expected to produce adverse health effects. However, at elevated processing temperatures, PCBs may produce

a vapor that may cause respiratory tract irritation if inhaled based on human experience.

Ingestion: No more than slightly toxic based on acute animal toxicity studies. Coughing, choking and shortness

of breath may occur if liquid material is accidentally drawn into the lungs during swallowing or vomiting.

Other:

Numerous epidemiological studies of humans, both occupationally exposed and nonworker environmentally exposed populations, have not demonstrated any causal relationship between PCB exposure and chronic human illnesses such as cancer or neurological or cardiovascular effects. PCBs at high dosage can cause skin symptoms; however, these subside upon removal of the exposure source.

Refer to Section 11 for toxicological information.

4. FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. If easy to do, remove any contact lenses. Get medical attention. Remove material from skin and clothing.

IF ON SKIN, immediately flush the area with plenty of water. Wash skin gently with soap as soon as it is available. Get medical attention if irritation persists.

IF INHALED, remove person to fresh air. If breathing is difficult, get medical attention.

IF SWALLOWED, do NOT induce vomiting. Rinse mouth with water. Get medical attention. Contact a Poison Control Center. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON

NOTE TO PHYSICIANS: Hot PCBs may cause thermal burn. If electrical equipment arcs between conductors, PCBs or other chlorinated hydrocarbon dielectric fluids may decompose to produce hydrochloric acid (HCI), a respiratory irritant. If large amounts are swallowed, gastric lavage may be considered.

5. FIRE FIGHTING MEASURES

Flash Point: 284 degrees F (140 degrees C) or higher depending on the chlorination level of the Aroclor product

Fire Point. 349 degrees F (176 degrees C) or higher depending on the chlorination level of the Aroclor product

NOTE: Refer to Section 9 for individual flash points and fire points.

Extinguishing

Media: Extinguish fire using agent suitable for surrounding fire. Use dry chemical, foam, carbon dioxide or water spray. Water may be ineffective. Use water spray to keep fire-exposed containers or

transformers cool.

PCBs are fire-resistant compounds. They may decompose to form CO, C02, HCI, phenolics, aldehydes, and other toxic combustion products under severe conditions such as exposure to flame or hot surfaces.

Dielectric fluids having PCBs and chlorinated benzenes as components have been reported to produce polychlorinated dibenzo-p-dioxins (PCDDs) and furans (PCDFs) during fire situations involving electrical equipment. At temperatures in the range of 600-650 degrees C in the presence of excess oxygen, PCBs may form polychlorinated dibenzo-furans (PCDFs). Laboratory studies under similar conditions have demonstrated that PCBs do not produce polychlorinated dibenzo-p-dioxins (PCDDs).

Federal regulations require all PCB transformers to be registered the U.S. Environmental Protection Agency.

If a PCB transformer is involved in a fire-related incident, the owner of the transformer may be required to report the incident. Consult and follow appropriate federal, state and local regulations.

Fire Fighting Equipment: Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and disposal of liquid PCBs and other PCB items are strictly regulated by the federal government. The regulations are found at 40 CFR Part 761. Consult these regulations as well as applicable state and local regulations prior to any cleanup or disposal of PCBs, PCB items, or PCB contaminated items.

If PCBs leak or are spilled, the following steps should be taken immediately:

All nonessential personnel should leave the leak or spill area.

The area should be adequately ventilated to prevent the accumulation of vapors.

The spill/leak should be contained. Loss to sewer systems, navigable waterways, and streams should be prevented. Spills/leaks should be removed promptly by means of absorptive material, such as sawdust, vermiculite, dry sand, clay, dirt or other similar materials, or trapped and removed by pumping or other suitable means (traps, drip-pans, trays, etc.).

Personnel entering the spill or leak area should be furnished with appropriate personal protective equipment and clothing as needed. Refer to Section 8 for personal protection equipment and clothing.

Personnel trained in emergency procedures and protected against attendant hazards should shut off sources of PCBs, clean up spills, control and repair leaks, and fight fires in PCB areas.

Refer to Section 13 for disposal information and Sections 14 and 15 for information regarding reportable quantity, and Section 7 for marking information.

7. HANDLING AND STORAGE

Care should be taken to prevent entry into the environment through spills, leakage, use vaporization, or disposal of liquid or containers. Avoid prolonged breathing of vapors or mists. Avoid contact with eyes or prolonged contact with skin. If skin contact occurs, remove by washing with soap and water. Following eye contact, flush with water. In case of spillage onto clothing, the clothing should be removed as soon as practical, skin washed, and clothing laundered. Comply with all federal, state, and local regulations.

Federal regulations under the Toxic Substances Control Act require PCBs, PCB items, storage areas, transformer vaults, and transport vehicles to be marked (check regulations, 40 CFR 761, for details).





Storage:

The storage of PCB items or equipment (those containing 50 ppm or greater PCBS) and PCB waste is strictly regulated by 40 CFR Part 761. The storage time is limited, the storage area must meet physical requirements, and the area must be labeled.

Avoid contact with eyes.
Wash thoroughly after handling.
Avoid breathing processing fumes or vapors.
Process using adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye

Protection:

Wear chemical splash goggles and have eye baths available where there is significant potential for

eye contact.

Skin

Protection:

Wear appropriate protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine the appropriate type glove for a given application. Wear chemical goggles, face shield, and chemical resistant clothing such as a rubber apron when splashing is likely. Wash immediately if skin is contacted. Remove contaminated clothing promptly and launder before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.

ATTENTION! Repeated or prolonged skin contact may cause chloracne in some people.

Respiratory Protection:

Avoid breathing vapor, mist, or dust. Use NIOSH/MSHA approved equipment when airborne exposure limits are exceeded. Full facepiece equipment is recommended when airborne exposure

limits are exceeded and, if used, replaces the need for face shield and/or chemical splash goggles. Consult respirator manufacturer to determine the type of equipment for a given application. The respirator use limitations specified by NIOSH/MSHA or the manufacturer must be observed. High airborne concentrations may require use of self-contained breathing apparatus or supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR Part 1910.134.

ATTENTION! Repeated or prolonged inhalation may cause chloracne in some people.

Ventilation:

Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of vapor or mist, such as open

process equipment.

Airbome Exposure Limits:

Product:

Chlorodiphenyl (42% chlorine)

OSHA PEL: 1 mg/m³ 8-hour time-weighted average - Skin* ACGIH TLV: 1 mg/m³ 8-hour time-weighted average - Skin*

Product:

Chlorodiphenyl (54% chlorine)

OSHA PEL: 0.5 mg/m³ 8-hour time-weighted average - Skin* ACGIH TLV: 0.5 mg/m³ 8-hour time-weighted average - Skin*

^{*}For Skin notation see <u>Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices.</u>
American Conference of Governmental Industrial Hygienists, 2003.

9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTIES OF SELECTED AROCLORS®

		FIGHENTIE	O O. OLLL	01657116	0201100		
PROPERTY	1016	1221	1232	1242	1248	1254	1260
Color (APHA)	40	100	100	100	100	100	150
Physical state	mobile oil	mobile oil	mobile oil	mobile oil	mobile oil	viscous liquid	sticky resin
Stability	inert	inert	inert	inert	inert	inert	inert
Density (lb/gal 25 °C)	11.40	9.85	10.55	11.50	12.04	12.82	13.50
Specific gravity x/15.5°C	1.36-1.37 x-25°	1.18-1.19 x-25°	1,27-1.28 x-25°	1.30-1.39 x-25°	1.40-1.41 x-65°	1.49-1.50 x-65°	1.55- 1.56 x-90°
Distillation range (°C)	323-356	275-320	290-325	325-366	340-375	365-390	385-420
Acidity mg KOH/g, maximum	.010	.014	.014	.015	.010	.010	.014
Fire point (°C)	none to boiling point	176	238	none to boiling point	none to boiling point	none to boiling point	none to boiling point
Flash point (°C)	170	141-150	152-154	176-180	193-196	none	none
Vapor pressure (mm Hg @ 100°F)	NA	NA	0.005	0.001	0.00037	0.00006	NA
Viscosity (Saybolt Univ. Sec. @ 100°F) (centistokes)	71-81 13-16	38-41 3.6-4.6	44-51 5.5-7.7	82-92 16-19	185-240 42-52	1800- 2500 390-540	

NA-Not Available

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10. STABILITY AND REACTIVITY

Stability: PCBs are very stable, fire-resistant compounds.

Materials to Avoid: None Hazardous Decomposition

Products:

PCBs may decompose to form CO, CO₂ HCI, phenolics, aldehydes, and other toxic combustion

products under severe conditions such as exposure to flame or hot surface.

Hazardous Polymerization: Does not occur.

11. TOXICOLOGICAL INFORMATION

Data from laboratory studies conducted by Monsanto and from the available scientific literature are summarized below. Single exposure (acute) studies indicate:

Oral - Slightly Toxic (Rat LD50 - 8.65 g/kg for 42% chlorinated; 11.9 g/kg for 54% chlorinated)

The liquid products and their vapors are moderately irritating to eye tissues. Animal experiments of varying duration and at different air concentrations show that for similar exposure conditions, the 54% chlorinated material produces more liver injury than the 42% chlorinated material.

There are literature reports that PCBs can impair reproductive functions in laboratory monkeys. Literature reports of earlier chronic feeding studies of laboratory rodents provided sufficient evidence that Aroclor 1260 could cause liver cancer when fed at high doses. Similar experiments with less chlorinated PCB products produced negative or equivocal results. A recent literature report of a chronic feeding study of Aroclor 1260, Aroclor 1254, Aroclor 1242, and Aroclor 1016 provided evidence that all four mixtures caused cancer in rodent livers.

The consistent finding in animal studies is that PCBs produce liver injury following prolonged and repeated exposure by any route, if the exposure is of sufficient degree and duration. Liver injury is produced first, and by exposures that are less than those reported to cause cancer in rodents. Therefore, exposure by all routes should be kept sufficiently low to prevent liver injury.

Numerous epidemiological studies of humans, both occupationally exposed and nonworker environmentally exposed populations, have not demonstrated any causal relationship between PCB exposure and chronic human illnesses such as cancer or neurological or cardiovascular effects. PCBs at high dosage can cause skin symptoms; however, these subside upon removal of the exposure source.

PCBs have been listed in the International Agency for Research on Cancer (IARC) Monographs (1987)-Group 2A and in the National Toxicology Program (NTP) Tenth Annual Report on Carcinogens.

12. ECOLOGICAL INFORMATION

Care should be taken to prevent entry of PCBs into the environment through spills, leakage, use, vaporization or disposal of liquid or solids. PCBs can accumulate in the environment and can adversely affect some animals and aquatic life. In general, PCBs have low solubility in water, are strongly bound to soils and sediments, and are slowly degraded by natural processes in the environment.

13. DISPOSAL CONSIDERATIONS

The disposal of PCB items or equipment (those containing 50 ppm or greater PCBs) and PCB wastes is strictly regulated by 40 CFR Part 761. For example, all wastes and residues containing PCBs (wiping cloths, absorbent material, used disposable protective gloves and clothing, etc.) should be collected, placed in proper containers, marked and disposed of in the manner prescribed by EPA regulations (40 CFR Part 761) and applicable state and local regulations.

14. TRANSPORT INFORMATION

The data provided in this section are for information only. Please apply the appropriate regulations to properly classify a shipment for transportation.

DOT Classification:

IF WEIGHT OF PCBs TO BE SHIPPED IS OVER ONE POUND, THE FOLLOWING

CLASSIFICATION AND LABEL APPLY.

DOT Label:

LIQUID:

Environmentally Hazardous Substance, liquid, n.o.s. (Contains PCB),

9, UN 3082, III

SOLID:

Environmentally Hazardous Substance, solid, n.o.s. (Contains PCB),

9, UN 3077, III

DOT Label:

Class 9

DOT Reportable Quantity:

One pound

IMO Classification:

Polychlorinated Biphenyls, IMO Class 9, UN 2315, II

IMO Page 9034, EMS 6.1-02

IATA/ICAO

Classification:

Polychlorinated Biphenyls, 9, UN2315,II

15. REGULATORY INFORMATION

For regulatory purposes, under the Toxic Substances Control Act, the term "PCBs" refers to a chemical substance limited to the biphenyl molecule that has been chlorinated to varying degrees or any combination of substances which contain such a substance (40 CFR Part 761).

TSCA Inventory: not listed.

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370): Immediate, Delayed. SARA Section 313 Toxic Chemical(s): Listed-1993 (De Minimis concentration 0.1%.)

Reportable Quantity (RQ) under DOT (49 CFR), CERCLA Regulations and TSCA (40 CFR Part 761): 1 lb. (polychlorinated biphenyls) PCBs.

Release of more than 1 (one) pound of PCBs to the environment requires notification to the National Response Center (800-424-8802 or 202-426-2675).

Various state and local regulations may require immediate reporting of PCB spills and may also define spill cleanup levels. Consult your attorney or appropriate regulatory officials for information relating to spill reporting and spill cleanup.

16. OTHER INFORMATION

Reason for revision: Contact information change. Supersedes MSDS dated 7/99.

Therminol® is a registered trademark of Solutia Inc.

Aroclor® and Pydraul® were registered trademarks of Monsanto Company
Pyranol®is a registered trademark of General Electric Company
Inerteen® is a registered trademark of Westinghouse Electric Corporation

FOR ADDITIONAL NONEMERGENCY INFORMATION, CONTACT:

Robert G. Kaley, II, Ph.D. 200 S. Hanley Road Suite 300 St. Louis, MO 63105 314-480-1677

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^{*} The former Monsanto Company, now known as Pharmacia Corporation, ceased manufacturing PCBs in 1977. This MSDS is provided as a convenience to former customers and users



Material Safety Data Sheet

1. PRODUCT AND COMP.	ANY IDENTIFICATION		
Product Information			
Product name	Mineral Oil USP		
Version	4.0, 12/24/2008		
Jurisdiction	This Material Safety Data Sheet was prepared for the jurisdiction USA.		
Synonyms	Heavy mineral oil		
Intended Uses	The material is used as a lubricant laxative. This material is used as a component in topical products.		
Company/Undertaking I	dentification		
Address	Bristol-Myers Squibb Company P.O. Box 191 New Brunswick, New Jersey 08903 United States of America 1-732-227-7380		
Emergency Phone Number	CHEMTREC 1-800-424-9300. For all international transportation emergencies call CHEMTREC at 1-703-527-3887. Collect calls accepted.		

2. COMPOSITION/INFORMATION ON INGREDI	ents		
Components	Concentration	CAS-No.	
Hazardous components			
Mineral Oil	>= 99 %	8042-47-5	
Other ingredients			
dl-alpha Tocopherol	<1 %	10191-41-0	

Emergency Overview	
Appearance	liquid : colourless
Signal Word	Caution
Hazard Statements	Target Organs: lungs, gastrointestinal tract.
Precautionary Measures	Avoid contact with the eyes. Wear eye/face protection.
Potential Health Effects	
Eyes	Possible mild eye irritant
Skin	Mildly and/or transiently irritating to skin., Experimental data indicate that this material has low potential to cause acute toxicity by skin contact.
Ingestion	Experimental data indicate that this material has low potential to cause acute toxicity by ingestion. Material has a relatively high viscosity and potential for aspiration is low. However, if material is aspirated into the lungs, it may cause lung damage.
Inhalation	Inhalation of mineral oil mist or aerosol may cause lipoid pneumonia.
Target Organs	lungs, gastrointestinal tract
Signs and Symptoms	Acute: gastrointestinal discomfort, diarrhoea, loose stools. Chronic: shortness of breath, cough, noisy respiration.

Mineral Oil USP	Bristol-Myers Squibb Company	Page 2 of 7
	00000000835	

3. HAZARDS IDENTIFICATION				
Environmental Effects	Experiment organisms.	cate low p	otential for acute	harm to aquatic

4. FIRST AID MEASURES		
Eye contact	Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention of irritation occurs.	
Skin contact	Wash off with soap and water. Get medical attention of irritation occurs.	
Inhalation	Move to fresh air. Oxygen or artificial respiration if needed. Obtain medical attention.	
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.	
Notes to Physician	The material is used as a lubricant laxative. This material is used as a component in topical products. This product may cause: gastrointestinal discomfort, diarrhoea, loose stools, shortness of breath, cough, noisy respiration, Organs affected may include: lungs, gastrointestinal tract. Refer to Section 11.	
Medical Surveillance	Employees who are pregnant, are breast-feeding, or who are concerned with other reproductive issues should be encouraged to consult with the occupational health physician monitoring worker's health.	

Flammable Properties	Not available
Extinguishing Media	Suitable extinguishing media: Dry chemical, Water spray, Foam
	Unsuitable extinguishing media: Do NOT use water jet.
Protection of Firefighters	Specific hazards: Possible mild eye irritant Protective equipment: Use personal protective equipment. In the event of fire, wear self-contained breathing apparatus. Hazardous Combustion Products: carbon oxides(COx), nitrogen oxides (NOx)
Other information:	Decontaminate protective clothing and equipment before reuse.

6. ACCIDENTAL RELEASE MEASURES		
Personal precautions	Refer to protective measures listed in sections 7 and 8. Use personal protective equipment. Examples include tightly fitting safety goggles, lab coat and impervious gloves.	
Environmental precautions	Prevent release to drains and waterways. Prevent release to the environment.	
Containment Methods	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).	
Cleanup Methods	Contain and collect spillage and place in container for disposal according to local regulations (see Section 13).	

7. HANDLING AND STORAGE			
Handling Precautions	Avoid inhalation of vapour or mist. Keep away from heat and sources of ignition. Prevent release to drains and waterways.		
Storage Conditions	Store at room temperature. Protect against light. Keep away from heat, sparks and flames. Do not store near incompatible substances.		

Mineral Oil USP	Bristol-Myers Squibb Company	Page 3 of 7
	000000000835	

7. HANDLING AND STOR	AGE.
Container Requirements	Store in sturdy containers appropriate to maintain the integrity of this material for its intended use. Keep tightly closed. Store in spill containment pallet or other device to confine spills.

8. EXPOSURE CONTROLS / PER	SONAL PROTI	CTION		
	Company Guideline	ACGIH	OSHA	NIOSH
Mineral Oil	<u> </u>	10 mg/m3 STEL 5 mg/m3 TWA	5 mg/m3 TWA	10 mg/m3 STEL 5 mg/m3 TWA
Exposure Control Band		aterial is assigned to Επ μg/m3).	xposure Control Band	1 (range 1,000 -
Bristol-Myers Squibb Exposure Guidelines Summary	e A spec	cific exposure guideline	has not yet been estal	olished.
Recommended Industrial Hygic Monitoring Methods	ene Refer	to applicable NIOSH, (OSHA or ASTM meth	ods for constituents.
Engineering Controls and Ventilation	ventile neede setting limit. contai	handling small quantitication is desirable. Spect d. When handling larger, ensure worker exposure frignificant aerosol (nument technology, or obelow recommended exposures).	ific engineering controller quantities, such as in the is below the recomnist) is generated, use ther engineering controller	ols should not be n a manufacturing mended exposure process enclosures,
Respiratory protection	the oc		nit (OEL) is exceeded,	
Eye protection	preser	w good chemical hygier stations. Glasses or che smended if eye contact	emical splash resistant	
Hand protection		w good chemical hygier ntations. Wear gloves v		
Skin and body protection	preser	w good chemical hygier ntations. It is recommentations are in groduct.		
Hygiene	Wash	hands before breaks an	d immediately after ha	andling the product.

Appearance		
Physical State	liquid	
Color	colourless	•
Form	Not available	
Other information		
Molecular Weight	Not available	
Molecular formula	Not applicable	
Bulk density	Not available	CONT. The standard of the stan
Density	0.8 - 1 g/cm3	•

Minerai Oil USP	Bristol-Myers Squibb Company	Page 4 of 7
	00000000835	

Evaporation rate	Not available			
Hydrolysis/Photolysis	Not available			
Hygroscopicity	Not available		-	
Log Octanol/Water Partition Coeff [log Kow]	>6			
Surface Tension	Not available			
Odor	Not available			M 4111 M 1914 M 1914 M 8 4 4 1914 P
Odor Threshold	Not available			
pН	Not available			
рКа	Not available			
Particle Size	Not available			
Solubility, Water	Not available		•	
Specific Gravity/ Relative density	0.81 - 0.894 @ 15 °C			
Viscosity ·	> 34.5 mm2/s @ 40 °C			
ermal/Stability properties				
Autoignition temperature	Not available		•	
Boiling Point	346 °C		Andrew Control of the second s	
Thermal decomposition	Not available	*** *** *** ***		
Explosive Limits, LEL	Not available			or new trees which have been a will be the
Explosive limits, UEL	Not available			**
Explosiveness	Not available		Arrana alla madella arte arte arte arte arte arte arte art	
Flammability	Not available			
Flash point	Not available			(
Melting Point	Not available		11	
Oxidizing Potential	Not available			
apor Properties	· _ 153 -		\$* (.2); **	1 - 1779
Vapor Density	Not available			
Vapor Pressure	< 1.33 mbar,		:	į.
Saturated Vapor Concentration	Not available			

10. STABILITY AND REACTIVITY	
Stability	
Chemical Stability	Stable under normal conditions.
Conditions to avoid	Not available
Incompatible products	Incompatible with: oxidizing agents, chlorine, nitric acid, oxygen
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions.: carbon oxides(COx), nitrogen oxides (NOx)
Hazardous reactions	Not available

11. TOXICOLOGICAL INFORMATION			
Routes of Entry	Ingestion, Inhalation, Eye contact, Skin contact		
Eye Irritation	Mineral Oil Mildly irritating to eyes.		
Skin Irritation	Mineral Oil Mildly and/or transiently irritating to skin.		

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Mineral Oil USP	Bristol-Myers Squibb Company	Page 5 of 7
	00000000835	·

11. TOXICOLOGICAL INFO	RMATION			
Respiratory Irritation	Mineral Oil Inhalation of mist may concentrations)	ause irritation of respi	iratory system. (only	at high
Sensitization	Mineral Oil Not a dermal sensitizer		,	
Acute Toxicity Study	Acute Oral Mineral Oil LD50(rat): > 5,000 mg/	kg .		
Repeated Dose Toxicity	Mineral Oil Assessment Repeat Do Several studies were con Section 11 Target Organ	nducted. Prolonged ex	sposure may cause ch a description of effect	ronic effects. See
Genetic Toxicity	Mineral Oil in vitro Ames reverse-mutation Forward gene mutation Mutagenicity Assessment In vitro tests did not sho	assay negative ent		À.
Carcinogenicity	Mineral Oil Carcinogenicity Assess This material was negat relevant in the workplace	ive in carcinogenicity		
Carcinogenicity	ACGIH	OSHA	NTP	IARC
Mineral Oil				3
Reproductive Toxicity	Mineral Oil Oral (5/week) one gene (F1 offspring, pare No effects were o Assessment Reproduct No effects were found of	ent, males and females bserved. tive Toxicity) NOAEL => 4350	mg/kg
Developmental Toxicity	Mineral Oil Oral (daily) Study of En (F1 offspring, fem Developmental Toxici Did not show teratogen were observed.	ales) NOAEL = > 43 ty Assessment	50 mg/kg	se maternal effects
Human experience E	operiences with Human I Mineral Oil	Exposure		

Mineral Oil USP	Bristol-Myers Squibb Company	Page 6 of 7
_	00000000835	

11. TOXICOLOGICAL	INFORMATION	
	See Section	11 Target Organs and Symptoms for a description of effects.
Target Organs	Mineral Oil lungs, gastroir	itestinal tract
Symptoms	Mineral Oil shortness of be discomfort	reath, cough, noisy respiration, diarrhoea, soft stools, gastrointestinal
Other Toxicity Information	Not available	· · · · · · · · · · · · · · · · · · ·

12. ECOLOGICAL INFORMATION

Ecotoxicological Information (Aquatic)

Acute Toxicity to Fish

Mineral Oil

LC50 (Lepomis macrochirus, 96 H) :> 10,000 mg/l.

Ecotoxicological Information (Terrestrial)

Not available

Chemical fate information

Biodegradation

Mineral Oil

Inherent biodegradation: ; Inherently biodegradable - biodegrades in the environment.

Stability in water

Mineral Oil

Hydrolysis: Stable in water. Does not undergo hydrolysis

Summary Statements

Aquatic toxicity

Mineral Oil USP

Experimental data indicate low potential for acute harm to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Advice On Disposal And Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

14. TRANSPORT INFORMATION

This material is not a dangerous good for the purpose of transportation.

15. REGULATORY INFORMATION	
United States of America	
OSHA Hazard Classification	Hazardous Target Organs
313 Toxic Release Inventory. Listed Chemicals/Compounds	No components listed on the SARA 313 inventory.
TSCA Inventory	yes

Mineral Oil USP	Bristol-Myers Squibb Company	Page 7 of 7
	00000000835	•

15. REGULATORY INFORMATION	
International	
Canada	
WHMIS	This product is not regulated under the Hazardous Products Act and Controlled Products Regulations.
DSL/NDSL	Mineral Oil yes
Mexico	
Mexico Classification	Health classification - Minimal hazard - 0 - Substances that do not pose a hazard under emergency conditions other than that of ordinary combustible materials.
Europe	
EINECS/ELINCS/Registra	Mineral Oil: 232-455-8
tion Number	dl-alpha Tocopherol: 233-466-0

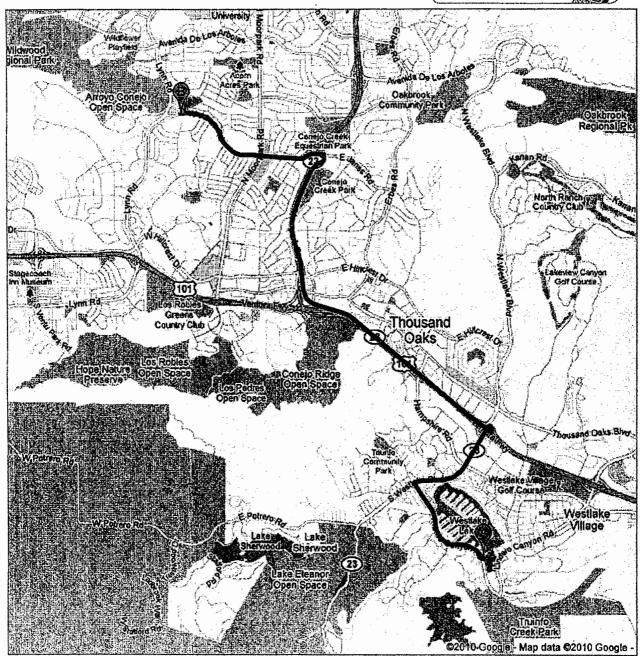
Prepared by	1-732-227-7380			
Prepared on	12/24/2008 This Safety Data Sheet has been revised. This data sheet contains change from the previous version in section(s): 1, 8, and 16.			
Other information				
HMIS	Health Flammability	1		
	Reactivity Personal protective equipment	Not Determined (ND) See Section 8.		
NFPA	Health 1 Fire 1 Reactivity ND Special ND	ND ND		

The information contained in this MSDS is believed to be accurate and represents the best information reasonably available at the time of preparation. However, we make no warranty, express or implied, with respect to such information. and we assume no liability from its use.

Google maps

Directions to W Janss Rd 8.4 ml – about 14 mins





3701 Capstan Cir, Westlake Village, CA 91361

n left at Brigantine Cir n right at Triunfo Canyon Rd	go 282 ft total 341 ft
n right at Triunfo Canyon Rd	1.7.
out 3 mins	go 1.2 mi total 1.3 mi
	go 1.1 mi total 2.4 mi
ce the CA-23/US-101 N/Ventura ramp	go 0.4 mi total 2.7 mi
	go 1.7 mi total 4.4 mi
	go 2.0 mi total 6.4 mi
ke exit 14 for Janss Rd	go 0,2 mi total 6.6 mi
	go 1.8 mi total 8.4 mi
	out 2 mins ke the CA-23/US-101 N/Ventura ramp arge onto CA-23 N/US-101 N out 2 mins ntinue onto CA-23 N (signs for Fillmore) out 2 mins ke exit 14 for Janss Rd out 4 mins ss Rd

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data @2010 Google

Directions weren't right? Please find your route on maps.google.com and click "Report a problem" at the bottom left.



California Regional Water Quality Control Board

Los Angeles Region



Linda S. Adams
Cal/EPA Secretary

220 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: http://www.waterboards.ca.gov/losangeles

Arnold Schwarzenegger

Governor

November 3, 2010

Ms. Mary Zepeda CEH&S Water/Waste Division Southern California Edison P.O. Box 800 (GO-3, 3rd Floor) Rosemead, CA 91770

APPROVAL OF SOIL AND GROUNDWATER ASSESSMENT WORK PLAN – SOUTHERN CALIFORNIA EDISON BURIED RESIDENTIAL TRANSFORMER (STRUCTURE NO. 5024599), 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE, CALIFORNIA (SCP NO. 1254, SITE ID. NO. 2040385)

Dear Ms. Zepeda:

Los Angeles Regional Water Quality Control Board (Regional Board) staff has reviewed the October 22, 2010, Site Assessment Work Plan Near the Intersection of Triunfo Canyon Road and Capstan Circle, Westlake Village, California, SCE Structure #5024599, Site Cleanup Case Number SCP #1254 (Work Plan). The Work Plan, prepared by the Southern California Edison Company Engineering & Technical Services, Civil/Structural/Geotechnical Group, was received by the Regional Board on October 22, 2010.

On July 18, 2010, Southern California Edison (SCE) discovered that the buried residential transformer at 3701 Capstan Circle had released approximately 30 gallons of mineral oil containing polychlorinated biphenyls (PCBs). Oil stained soil was excavated to 3 feet below grade (bg) by SCE and PCBs were detected at the base of the excavation. The excavation was deepened to 9 feet bg by SCE. Soil and groundwater at the base of the deepened excavation contained PCBs. In the deepened excavation the maximum PCB concentration in soil was 6.4 milligrams per kilogram, and the maximum in groundwater was 1.9 milligrams per liter. These data indicate that PCBs remains in soil and groundwater and the lateral extent is not defined. The Work Plan proposes sampling to further assess the PCBs plume in soil and groundwater.

The Work Plan proposes soil sampling at 6 locations. Soil will be sampled near the soil/groundwater interface, and groundwater will be sampled at approximately 9 feet bg. Soil will be sampled with direct push and/or hand auger methods. Groundwater will be sampled with disposable bailers and/or a peristaltic pump. Soil and groundwater samples will be analyzed for PCBs with EPA Method 8082.

The Plan is approved as proposed with the following conditions:

- Prior to the start of field work you must indicate to the Regional Board where waste drums will be stored prior to disposal.
- Notify the Regional Board at least 10 working days prior to the start of field work.
- A California licensed land surveyor must survey all sample locations. The survey report, signed by the licensee, shall be included in the assessment report.

California Environmental Protection Agency

- The appropriate groundwater sampling permit must be obtained from the County of Los Angeles, Environmental Health, Water Quality Program, prior to sampling. A copy of the permit must be included in the assessment report.
- Appropriate utility clearance must be obtained prior to sampling:
- The technical report documenting this phase of assessment must clearly illustrate the locations and
 dimensions of the prior remedial excavations. The prior sample locations must be included on the
 illustrations. The planned technical report must include tables summarizing the analytical results of
 all the earlier and proposed sampling.

A technical report, documenting the results of implementing the proposed scopes of work, must be received by the Regional Board no later than January 1, 2011.

If you have any questions, please contact me at (213) 576-6724 or via email at praftery@ waterboards.ca.gov.

Sincerely,

Peter J. Raftery, PG, CHG Engineering Geologist

Site Cleanup I Unit

Ms. Laurie Forest, Westlake Village

s:\linewshareddrivefolders\site cleanup i unit\shared\pjr\sce transformer 3701 capstan westlake vlllage\scp 1254 sce 3701 capstan circle westlake workplan approval oct!0.doc



November 8, 2010

Peter J. Raftery, PG, CHG.
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Subject:

TRANSMITTAL OF SOIL AND GROUNDWATER ASSESSMENT WORK PLAN 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE, CALIFORNIA (SCP NO. 1254,

SITE ID. NO. 2040385)

Dear Mr. Raftery:

Enclosed is the signed and stamped original copy of the subject work plan that was approved by the Regional Board on November 3, 2010. The document is also being uploaded electronically via Geotracker.

Please contact Ms. Mary Zepeda at (626) 302-4845 if you have any questions. In the event that Mary is unavailable, I can be reached by phone at (626) 302-4857. Thank you for your guidance on this activity.

Sincerely,

Eric A. Hodder, Project Manager

Corporate Environment, Health & Safety Division

Southern California Edison

Cc: Mr. Josh Nichols, Southern California Edison

Ms. Mary Zepeda, Southern California Edison

Enclosure



December 10, 2010

Peter J. Raftery, PG, CHG Engineering Geologist Los Angeles Regional Water Quality Control Board 320 W. 4th Street, Suite 200 Los Angeles, CA 90013

Certified Mail Receipt #: 7010 0780 0000 5788 8755

Subject:

Site Cleanup Program Oversight Cost Reimbursement Account

File Number: Spill Cleanup Program No. 1254

Site Name:

SCE - Westlake Village (Structure # 5024599)

Near Intersection of Triunfo Canyon Road and Capstan Circle, Westlake Village, California

Dear Mr. Raftery:

As discussed on December 2, 2010, SCE submitted an application to the City of West Lake Village for an Encroachment Permit for sampling activities in the street. The City of West Lake Village informed us that they contract their permitting services to the Los Angeles County and the turnaround time will be an additional 4 weeks. As specified in the Approval Letter for the Soil and Groundwater Assessment Work Plan, upon meeting the proposed conditions and completion of the work, "a technical report, documenting the results of implementing the proposed scope of work, must be received by the Regional Board no later than January 1, 2011."

Due to this delay in obtaining the Encroachment Permit, SCE respectfully requests an extension of the due date through February 11, 2011.

If you have any questions and/or need any additional information, please feel free to call me at (626) 302-4845.

Sincerely

Mary Zepeda

Project Manager

Operations Support Business Unit

Corporate Environment, Health & Safety

Water/Waste Division

Technical Services and Program Management Section

Southern California Edison

Cc:

Eric Hodder
David Van Horsen
Joshua Nichols
Kenny Herrera
Miguel Flores



California Regional Water Quality Control Board

Los Angeles Region



Linda S. Adams Cal/EPA Secretary 320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: http://www.waterboards.ca.gov/losangeles

Arnold Schwarzenegger Governor

December 20, 2010

Ms. Mary Zepeda CEH&S Water/Waste Division Southern California Edison P.O. Box 800 (GO-3, 3rd Floor) Rosemead, CA 91770

APPROVAL OF NEW DUE DATE FOR SUBMITTAL OF SOIL AND GROUNDWATER ASSESSMENT TECHNICAL REPORT – SOUTHERN CALIFORNIA EDISON BURIED RESIDENTIAL TRANSFORMER (STRUCTURE NO. 5024599), 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE, CALIFORNIA (SCP NO. 1254, SITE ID. NO. 2040385)

Dear Ms. Zepeda:

Los Angeles Regional Water Quality Control Board (Regional Board) staff has reviewed the December 1, 2010, letter with the subject Site Cleanup Program Oversight Cost Reimbursement Account File Number: Spill Cleanup Program No. 1254 (Letter). The Letter is a follow up to our conversation of December 2, 2010, when you informed Regional Board staff that the City of Westlake Village contracts to Los Angeles County for Encroachment Permits. It typically takes 4 weeks to obtain the permit from the County. This permitting process is slower than expected and will delay site work and assessment report preparation. Because of this delay you have requested a due date extension from January 1, 2011 until February 11, 2011 to submit the assessment technical report.

The request for report submittal delay is approved. A technical report, documenting the results of implementing the proposed assessment work, must be received by the Regional Board no later than March 1, 2011.

If you have any questions, please contact me at (213) 576-6724 or via email at praftery@ waterboards.ca.gov.

Sincerely,

Peter J. Raftery, PG, CHG Engineering Geologist

Site Cleanup I Unit

: Ms. Laurie Forest, Westlake Village

e:\sce 3701 capstan circle westlake village\scp 1254 sce 3701 capstan circle westlake assessment delay approval dec10.doc

GEOTECH GROUP

Southern California Edison

SCE PCB Spill: NRC # 951155; Cal-EMA # 10-4769 (07/18/10) August 30, 2011 Page 7

ATTACHMENT # 3

SCE Site Assessment Report dated February 25, 2010 Los Angeles RWQCB Approval Letter dated April 13, 2011



February 25, 2011

Peter J. Raftery, PG, CHG.
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Subject:

TRANSMITTAL OF SOIL AND GROUNDWATER ASSESSMENT TECHNICAL

REPORT - SOUTHERN CALIFORNIA EDISON BURIED RESIDENTIAL TRANSFORMER (STRUCTURE No. 5024599), 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE, CALIFORNIA (SCP NO. 1254, SITE ID. NO. 2040385)

Dear Mr. Raftery:

Enclosed is the signed and stamped original copy of the subject Technical Report that is associated with the work plan approved by the Regional Board on November 3, 2010. The document is also being uploaded electronically via Geotracker.

If you have any questions and/or need additional information, please feel free to call me at (626) 302-4845.

Best Regards,

Mary Zepeda

Project Manager

Operations Support Business Unit

Water/Waste and Environmental Engineering

Technical Services and Program Management Section

Corporate Environment, Health & Safety Division

Southern California Edison

Cc:

Josh Nichols, Southern California Edison

Enclosure



California Regional Water Quality Control Board



Los Angeles Region

Linda S. Adams
Acting Secretary for
Environmental Protection

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: http://www.waterboards.ca.gov/losangeles

Edmund G. Brown Jr. Governor.

April 13, 2011

Ms. Mary Zepeda CEH&S Water/Waste Division Southern California Edison P.O. Box 800 (GO-3, 3rd Floor) Rosemead, CA 91770

APPROVAL OF PROPOSED ADDITIONAL ASSESSMENT - SOUTHERN CALIFORNIA EDISON BURIED RESIDENTIAL TRANSFORMER (STRUCTURE NO. 5024599), 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE, CA (SCP NO. 1254, SITE ID. NO. 2040385)

Dear Ms. Zepeda:

Los Angeles Regional Water Quality Control Board (Regional Board) staff has reviewed the February 25, 2011, Site Assessment Report, Near the Intersection of Triunfo Canyon Road and Capstan Circle, Westlake Village, California, SCE Structure # 5024599, Site Cleanup Case Number SCP #1254 (Report). The Report provides the results of a January 2011, soil and groundwater assessment. The primary chemicals of concern, polychlorinated biphenyls (PCBs), were not detected in any of the seven soil samples or the six groundwater samples. These new data indicate the extent of PCBs contamination is limited.

The Report recommends further assessment in two areas where PCBs were detected in soil near the release during an assessment conducted in August 2010. The additional proposed assessment is approved with the condition that all soil samples analyzed for PCBs are also analyzed for total petroleum hydrocarbons (TPH) using modified EPA Method 8015, and that groundwater samples are collected from at least one of the proposed sample locations north of the release and one of the proposed locations east of the release. The groundwater samples must also be analyzed for TPH. The TPH analyses for both soil and groundwater must include results for TPH gasoline, TPH diesel fuel, and TPH motor oil.

A technical report, documenting the results of the proposed assessment, must be received by the Regional Board no later than August 1, 2011. If you have any questions, please contact me at (213) 576-6724 or via email at praftery@ waterboards.ca.gov.

Sincerely,

Peter J. Raftery, PG, CH

Engineering Geologist Site Cleanup I Uzit

CC:

Ms. Laurie Forest, Westlake Village

fisce 3701 capsian circle westlake villagescp 1254 see 3701 capsian circle westlake rvw and assessment required itr april 13, doc

California Environmental Protection Agency



An EDISON INTERNATIONAL Company

SITE ASSESSMENT REPORT
NEAR THE INTERSECTION OF TRIUNFO CANYON ROAD
AND CAPSTAN CIRCLE
WESTLAKE VILLAGE, CALIFORNIA
SCE STRUCTURE #5024599
SITE CLEANUP CASE NUMBER SCP #1254

Prepared By: Southern California Edison Company Engineering & Technical Services Civil/Structural/ Geotechnical Group

February 25, 2011

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		Е-	Analytical Testing Results & Chain of Cust	ody		

1.0 INTRODUCTION

This environmental site assessment was performed by the Southern California Edison (SCE) Geotechnical Group on behalf of SCE's Corporate Environmental, Health and Safety Department. The Project Site is located near the intersection of Capstan Circle and Triunfo Canyon Road in Westlake Village, California (Figure 1). This report documents initial leak detection, soil excavation and sampling activities in July and August 2010, and the recent site investigation work of drilling and sampling conducted on January 12, 2011. The purpose of this site assessment is to evaluate the nature and extent of migration of the remaining PCB-containing mineral oil spill identified in July 2010.

2.0 PROJECT DESCRIPTION

On July 18, 2010 SCE discovered that the BURD transformer at the above subject property had released an estimated 30 gallons of mineral oil. Following the release, initial remediation activities obtained 5 soil samples from the bottom of a 3' x 3 ½' by 7-foot deep excavation. One mineral oil sample from the transformer was also collected for Polychlorinated Biphenyls (PCB) determination. The analytical laboratory results for the mineral oil sampled from directly within the transformer indicated a PCB concentration of 166 parts per million (ppm). The analytical laboratory results for the July 18, 2010 soil samples measured concentrations of PCBs ranging from 0.19 ppm to 1.5 ppm.

While conducting further remediation activities on August 9, 2010, SCE obtained 4 additional soil samples from the 8 foot depth, and 1 water sample from the bottom of the 9-foot deep excavation. PCB concentrations in soil ranged from less than 0.02 ppm to 6.4 ppm. The water sample showed the presence of PCBs at a concentration of 1,900 micrograms/liter (µg/l); however standard groundwater sampling protocol, was not applied during the sampling and entrained sediment and/or absence of purging may have influenced the result. A summary of detections are included in Table 1 below. The complete laboratory reports and field sketches of the excavation and sample locations are included in Appendix A.

Table 1 – Summary of PCB Detections During Initial Excavation Activities

Sample	Sample	Sample	Sample	TEPH Result	PCB Result
Date	Number	Depth	Location	(mg/kg or mg/l)	(mg/kg or ug/L)
7/18/10	1	3 ft	NW Wall	12,000 mg/kg	0.70 mg/kg
7/18/10	2	3 ft	SW Wall	5,600 mg/kg	0.19 mg/kg
7/18/10	3	3 ft	NE Wall	12,000 mg/kg	1.5 mg/kg
7/18/10	4	3 ft	SE Wall	7,900 mg/kg	0.68 mg/kg
7/18/10	5	3 ft	Center	2,200 mg/kg	0.44 mg/kg
8/9/10	1	8 ft	West Wall	<1.0 mg/kg	<0.02 mg/kg
8/9/10	2	8 ft	North Wall	7,300 mg/kg	3.7 mg/kg
8/9/10	3	8 ft	East Wall	25,000 mg/kg	6.4 mg/kg
8/9/2010	4	8 ft	South Wall	260 mg/kg	0.34 mg/kg
8/9/2010	5	9 ft	Center (Water)	2,800 mg/L	1,900 μg/L

Based on these analytical results, the Los Angeles Regional Water Quality Control Board (LARWQCB) requested additional sampling of groundwater and soil to determine the extent of PCB contamination. A work plan for this site assessment was provided to the LARWQCB on October 22, 2010 via the Geotracker and SCE received their approval of the proposed work by letter dated November 3, 2010. In a subsequent December 20, 2010 letter, the LARWQCB granted an extension to SCE for submittal of the technical report documenting the results of the proposed assessment work on or before March 1, 2011.

3.0 SCOPE OF ASSESSMENT

The scope of this site assessment included the following tasks:

- Completion of 4 direct push borings to an approximate depth of 12 feet bgs.
- Completion of 2 hand auger borings to an approximate depth of 10 feet bgs.
- Collection of 1 soil sample from each location from the soil-water interface.
- Collection of 1 groundwater sample from each location.
- Analytical testing of the collected soil and groundwater samples.
- Preparation of this site assessment report.

Figure 2 provides the general layout of the site and locations of the completed borings. Appendix B includes a copy of the surveyed boring locations with the stamp of a California Licensed Surveyor. Appendix C presents the Los Angeles County Groundwater Sampling Permit.

4.0 ASSESSMENT PROCEDURES

4.1 Field Exploration

On January 12, 2011 a SCE geologist supervised the drilling and sampling of the six soil borings at the general locations shown on Figure 2. Borings DP-1 through DP-4 were advanced with a truck-mounted Geoprobe Model 5400 direct-push machine to an approximate depth of 12 feet below ground surface (bgs).

Prior to drilling, SCE notified Dig Alert of planned work and obtained utility clearance from Dig Alert (Dig Alert Ticket # A10070980-00A). In addition, Spectrum Geophysics cleared each boring that was planned within the street for the presence of buried utilities. As required by the City of Westlake Village, the asphalt surface was cored with a 4-inch core barrel, and traffic control, in the form of signs, cones and flagmen were used throughout the work.

Borings HA-1 and HA-2 were advanced to approximate depths of 10 and 12 feet, respectively with a with a 3-inch diameter hand auger. DP-4, the boring located approximately 200 feet from the spill site, was pushed to a total depth of 16 feet because only minor indications of water were observed at the 12 foot depth. DP-4 was also pushed to 16 feet; however water was encountered at the planned 12 foot level. Consequently, Borings DP-2 and DP-3 were advanced to the planned depth of 12 feet bgs.

Soil samples were obtained with either 1-inch diameter clear plastic liners supplied with the direct push equipment or into clear glass jars in the case of the hand auger borings. All boreholes were logged and sampled for soil lithologic description. Samples were recorded on the boring logs in accordance with the Unified Soil Classification System (USCS) which included sample depths, soil type, grain size, color, density, and moisture content. Copies of the soil boring logs are provided in Appendix D.

After advancing the boring to the target depth, a temporary well point constructed of 1-inch schedule 40 PVC casing with a 10 foot long well screen was placed in the borehole. One groundwater grab sample was collected from the temporary well point with a peristaltic pump. Groundwater samples from the HA-1 and HA-2 were collected in the same manner. All drilling and sampling operations were supervised by a California Registered Geologist. At the completion of groundwater sampling, the temporary well point was removed and the boring abandoned by using hydrated bentonite chips. The asphalt surface was repaired with cold patch. Soil cuttings were placed in sealed and labeled DOT-approved 55-gallon drums and transported to SCE's Thousand Oaks Service Center for temporary storage pending receipt of the analytical testing.

Prior to sample collection, all sampling equipment was decontaminated. Soil sampling tools and sample barrels were cleaned between each use. Manual

cleaning procedures included a three-stage process using a non-phosphate detergent solution in water, followed by rinsing with potable water and distilled water. Decontamination water was contained by Interphase, Inc. and transported to their disposal facility.

4.2 Soil Sample Preparation

Headspace field screening was conducted by placing a small portion of a soil sample into a plastic bag and inserting the tip of a photoionization detector (PID) into the bag to obtain a reading. Headspace readings were reported in parts per million (ppm) and are noted on the boring logs.

Each soil sample was retained in plastic liners with sealed Teflon tape and plastic end caps. Sample identification numbers and other pertinent data were recorded on the chain-of-custody form and placed in an ice chest for storage and transport to Advanced Technology Laboratories of Signal Hill, California, a state-certified hazardous waste testing laboratory. Sample handling, transport, and delivery were performed using the chain-of-custody documentation procedures outlined in the project SAP. Copies of the custody forms are included in Appendix E.

4.3 Analytical Testing

A total of 6 soil samples and 6 groundwater samples were analyzed for PCBs according to EPA Test Methods 3550B and 8082 (soil), EPA Test Methods 3510C and 8082 (groundwater). In addition, one equipment rinseate blank and one soil and one groundwater duplicate were analyzed by the same methods. The Advanced Technology Laboratories analytical reports are presented in Appendix E.

5.0 RESULTS OF ASSESSMENT

5.1 Site Geology

The project site is located within an alluvial valley in the Santa Monica Mountains. According to the Dibblee Geologic Map of the Thousand Oaks Quadrangle (1993) the site is on Quaternary alluvial sand and gravel. The residential subdivision appears to have been created by excavating the alluvial gravels along Triunfo Creek to the underlying bedrock to create a lake. It is thought that artificial fill was placed on the excavated surfaces for the building pads.

The boring logs show the area to be variably underlain by gravelly to silty sand, silty sand or clayey sand, probably representing the fill soils required for subdivision development. The two deeper borings, DP-1 and DP-4 encountered more uniform sand with gravel that is thought to represent the native soils. These materials were

observed by the direct push equipment to be much harder to penetrate than the overlying materials.

5.2 Site Hydrogeology

This site is unique because the enlarging of Triunfo Creek created a man-made recreational lake. Water in this lake is not used for drinking water purposes. Based on the excavation activities described above the water level at the project site was observed to be approximately 9 feet (bgs). This shallow depth is probably representative of localized seepage from the surrounding recreational lake. Based on surface topography, the direction of groundwater movement is inferred to be to the east. In the borings, initial groundwater observations ranged from 6.5 to 12 feet bgs, however static water was measured to range from 6.2 to 7.5 feet bgs. Simplified groundwater contours were developed and are shown on Figure 2. A strong direction is not indicated by these groundwater elevations which probably represent more the variable nature of the fill materials encountered and the close grouping of the measurements.

5.3 Analytical Testing Results for Soil

Table 1 presents a summary of the laboratory data. PCBs were not detected at any location at the MDL of <0.02 mg/kg.

Boring Number	Sample Depth	Analyte	PCB Result (mg/kg)
DP-1	8 ft	PCB	ND
DP-2	7 ft	PCB	ND
DP-3	8 ft	PCB	ND
DP-4	8 ft	PCB	ND
HA-1	9 ft	PCB	ND
HA-2	6 ft	PCB	ND
Duplicate (DP-1)	8 ft	PCB	ND

Table 2 – Summary of Analytical Testing of Soil

5.4 Analytical Testing Results for Groundwater

Laboratory testing of the groundwater samples collected from each location did not detect the presence of PCBs at the MDL of $<0.02~\mu g/L$. Table 2 presents a summary of the laboratory data. The detection limits for the DP-4 sample are higher because only one-half the volume required by the method could be collected. This

well point was allowed to stay open for a 5 hour period. However, the MDL is still below regulatory requirements.

Table 3 – Summary of Analytical Testing of Groundwater

Boring Number	Sample Depth	Analyte	PCB Result (ug/L)Result
DP-1	8 ft	PCB	ND
DP-2	7 ft	PCB	ND
DP-3	8 ft	PCB	ND
DP-4	8 ft	PCB	ND
HA-1	9 ft	PCB	ND
HA-2	6 ft	PCB	ND
Duplicate (DP-1)		PCB	ND
Equipment Rinseate		PCB	ND

6.0 CONCLUSIONS

Based on the information obtained during this site investigative work, the following conclusions are made:

- Soils beneath the site are variable and probably represent the fill soils used for subdivision development within the excavated river. Below these fill soils, more uniform sand and gravel is present.
- Groundwater is present beneath the site at a depth range of 6.2 to 7.5 feet bgs. Due to the close spacing of the measurements and variability of the fill soils a definitive groundwater flow direction is not apparent.
- No PCBs were detected in any soil or groundwater sample collected during this recent investigation.
- The distribution of the PCB detected during post-excavation sampling, as confirmed by this investigation, indicate the oil spill was limited in extent, and did not adversely impact groundwater.

7.0 RECOMMENDATIONS

Based on the data presented here, the following recommendations are made:

 Conduct additional soil sampling focused at the two locations of the elevated PCB samples identified from the August 2010 sampling event (Figure 3). The purpose of these additional samples would be to confirm the detections and to develop a soil excavation plan.

This additional sampling work will be conducted under the procedures described in the document titled, "Site Assessment Work Plan, Near the Intersection of Triunfo Canyon road and Capstan Circle, Westlake Village, California", dated 10/22/2010.

8.0 PROFESSIONAL DECLARATION

This document was prepared under the direction and supervision of David M. Van Horsen, a California Professional Geologist with expertise in contaminant assessment. His signature and stamp appear below:

David M. Van Horsen

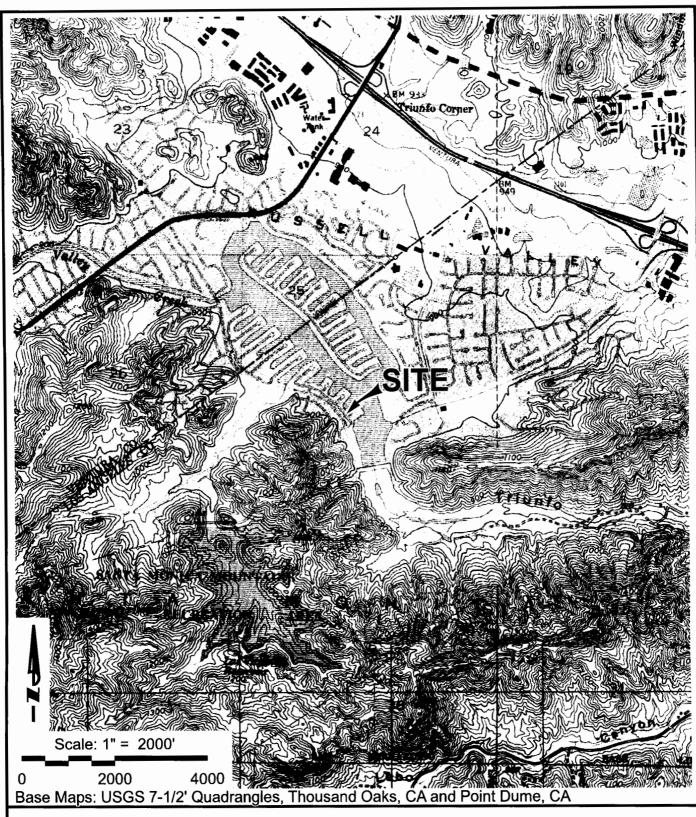
CA Certified Engineering Geologist #2418

SIONAL GEO

David M. Van House

February 25, 2011

FIGURES

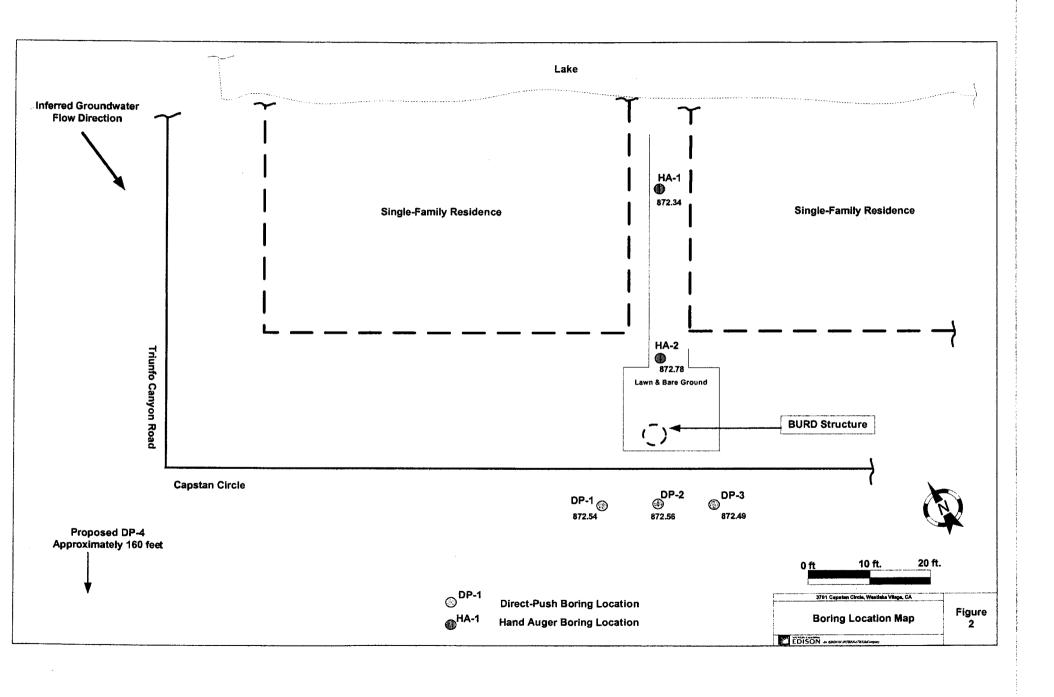


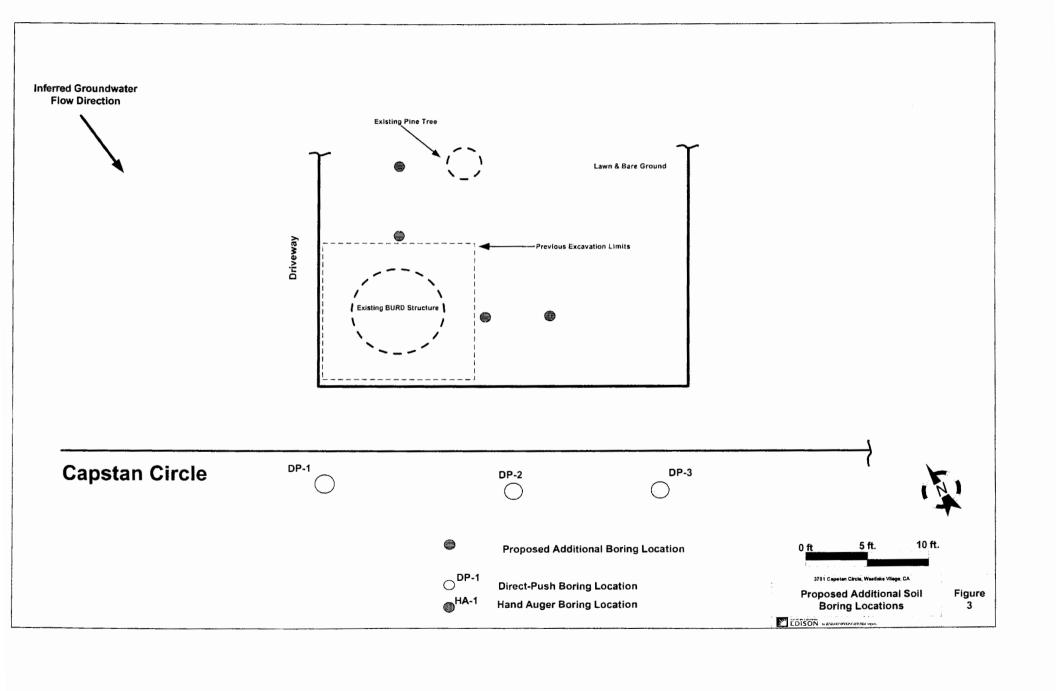


Engineering And Technical Services GEOTECHNICAL GROUP

Figure 1 Site Location

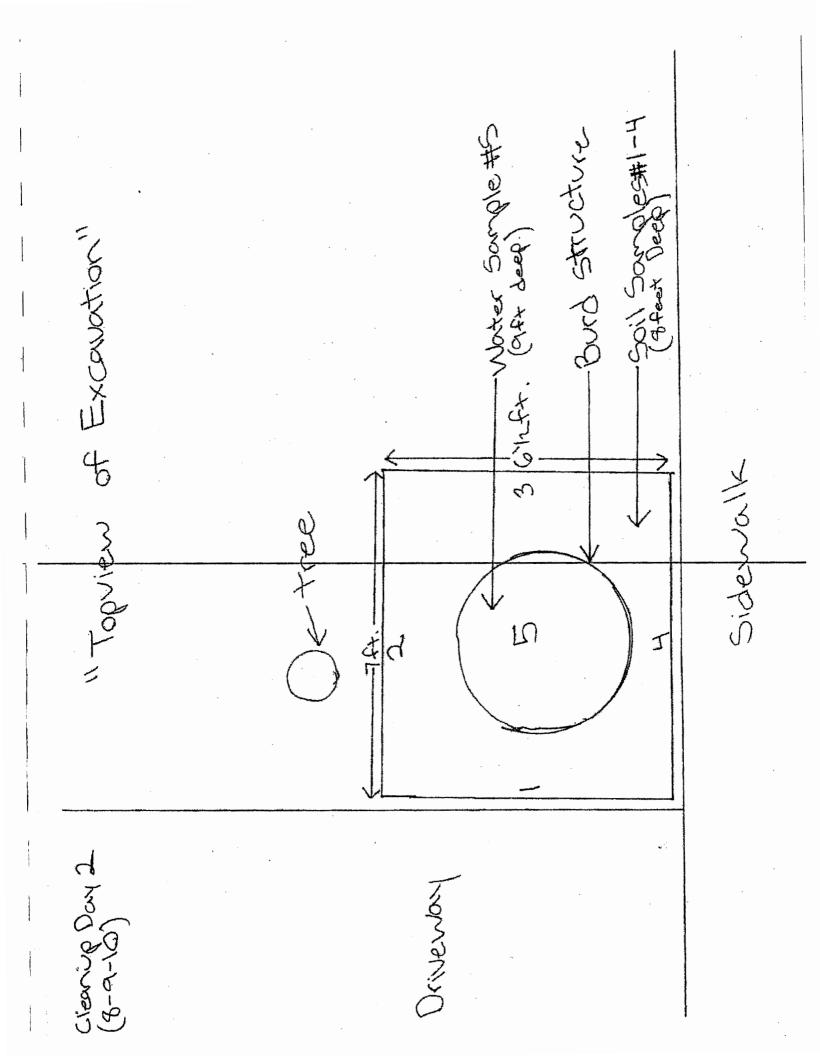
3701 Capstan Circle Westlake Villiage, CA





APPENDIX A

Analytical Testing Results From 2010 Excavation and Sampling Activities



Cleanup Day 2 "Side view of Excavation" (8-9-10) Tree-Sidenalk 944 (6hft:

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Case Narrative

Date: August 12, 2010

Client: Southern California Edison(SCE)

CAS Lab # 101976-05

Case Narrative: On August 8, 2009 Capco has received 5 samples from SCE to be analyzed for PCB's and TEPH. The samples were collected by the Client. The lab number assigned by Capco for this project was 101976. Sample "101976-05", a water sample, was prepared according to the client instructions, that is: the sample was filtered before the extraction was performed. The sample was than analyzed in accordance to EPA Methods 8082(for PCB's) and 8015m (for TEPH). The result was reported to the client along with the rest of the results.

All the data and information about this particular analysis is in the custody of Capco Analytical Services, Inc., as well as our customer, SCE.

Alin Repede, MS

Director Analytical Operations Capco Analytical Services, Inc. Prepared for: Southern California Edison

10060 Telegraph Road Ventura, CA 93004 Attn: Andy Melendez

Report Date: August 18, 2010 Laboratory Number: 102006

Project Name: 3701 Capstan Cir. Westlake Village

Project No: VC00156

Purchase Order No: 900160571

Sampled by: Client

On August 10, 2010, Capco Analytical Services, Inc. (CAS), received five (5) samples to be analyzed. The samples were identified and assigned the laboratory ID numbers listed below:

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By my signature below, I certify that the results contained in this laboratory report comply with applicable standards for certification by the California Department of Public Health's Environmental Laboratories Accreditation Program (ELAP), both technically and for completeness, and that, based on my inquiry of the person or persons directly responsible for performing the analyses, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Alin E. Repede, MS

Director - Analytical Operations

If you have any further questions or concerns, please contact me at your convenience.

This report consists of 14 pages excluding the cover letter and the Chain of Custody.

This report shall not be reproduced except in full without the written approval of CAS. The test results reported represent only the item being tested and may not represent the entire material from which the sample was taken.



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	Client:		THEFT CA	LIPORNIA ED	ISON	Date	Sampled:	08/05/10
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		Results mq/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Compound Aroclor-1016	elle megale filologischer Boder statistischer	<0.02	10	0.02	0.10
Aroclor-1221		<0.02		0.02	0.10
Aroclor-1232		<0.02		0.02 0.02	0.10
Aroclor-1242		<0.02 <0.02	7	0.02	0.10
Aroclor-1248		<0.02	1	0.02	0.10
Aroclor-1260		<0.02	1	0.02	0.10
Aroclor-1262		<0.02	1	0.02	0.10

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MDL: Method Detection Limit

PQL: Practical Quantitation Limit

ייטיי. Sample Analysis Result > MDL, but < PQL



Client: | SOUTHERN CALIFORNIA EDISON | Date Sampled: | 08/09/10 |
Sample ID: | #2 | Date Extracted: | 08/10/10 |
CAS LAB NO: | 101976-02 | Date Analyzed: | 08/10/10 |
Sample Matrix: | Soil | Analyst: | ABR

POLYCHLORINATED BIPHENYLS (PCBs) EPA Method 8082

			Re	sults	Dilution	MDL	PQL
Compound			III)	g/Kg	Factor	mg/Kg	mg/Kg
Aroclor-1016	n Haraka Lan		4	0.02	12/1/2014	0.02	0.10
Aroclor-1221				0.02	1	0.02	0.10
Aroclor-1232		별 얼마하다		002	1.0	0.02	0.10
Aroclor-1242			*	0.02	3	σ.02	0.10
Aroclor-1248			<	002		0.02	0.10
Aroclor-1254				0.02	1	0.02	0.10
Arcolor-1260				37		0.02	0.10
Aroclor-1262			K	0.02		0.02	0.10

SURROGATE RECOVERY

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	2 4 5	6-Tetra	chloro-	m-wrland/	DOWN I	jan Andreite	22		- C	3 126

MDD: Method Detection Limit

POL: Practical Quantitation Limit



Client:	SOUTHERN CALIFORNIA ED	BON D	ate Sampled:	08/09/10
Sample ID:	#3	,D	ate Extracted:	08/10/10
CAS LAB NO:	101976-03		ate Analyzed:	08/10/10
Sample Matrix:	Boil	Æ	nalyst:	AER

POLYCHLORINATED BIPHENYLS (PCBs) EPA Method 8082

				Results		Dilution	MDL	PQL
Compound				mg/Kg		Factor	ng/Kg	mg/Kg
Aroclor-10	16		\$ 1. T	<0.02		1	0.02	0.10
Aroclor-12	21			<0.02	or Dynair	11 11 11	0.02	0.10
Aroclor-12	32			<0.02		1	0.02	0.10
Aroclor-12	42			<0.02		1 (1 11)	0.02	0.10
Aroclor-12	48		1.747	<0.02		1.1	0.02	0.10
Aroclor-12	54	4.5.5		<0.02		1	0.02	0.10
Aroclor-12	60			6.4		1	0.02	0.10
Arcclor-12	62		14 ja 1	<0.02		1	0.02	0.10

SURROGATE RECOVERY

Surrogate (%)Recovery (%)Control Limits

2,4,5,6-Tetrachloro-m-xylene(TCMX)

53

53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit



The state of the s		The control of the state of the control of the cont			<u> </u>	
Client:		SOUTHERN CALIFORNIA	EDISON	Date	Sampled:	08/09/10
Sample ID:		#4		Date	Extracted:	08/10/10
CAS LAB NO:		101976-04		Date	Analyzed:	08/10/10
Sample Matr	ix:	Soil.		Analy	yst:	AER

POLYCHLORINATED BIPHENYLS (PCBs) EPA Method 8082

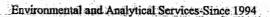
	Results Dilution MDL PQL
Compound	mg/Kg Factor mg/Kg mg/Kg
Arocler-1016	<0.02 1 0.02 0.10
Axoclor-1221	<0.02 1 0.02 0.10
Aroclor-1232	<0.02 0.10
Aroclor-1242	<0.02 1 0.02 0.10
Aroclor-1248	<0.02 1 0.02 0.10
Aroclor-1254	<0.02 1 0.02 0.10
Aroclor-1260	0.34 1 0.02 0.10
Aroclor-1262	<0.02 1 0.02 0.10

SURROGATE RECOVERY

		(%) Recover	
CHEYOGATA			Control Limits
and the delivery and the state of the state	494144		
2,4,5,6-Tetrachloro-m-xylen			

MDL: Method Detection Limit

PQL: Practical Quantitation Limit





Client: SOUTHERN CALIFORNIA EDISON Date Sampled: 08/09/10
Sample ID: #5 Date Extracted: 08/10/10
CAS LAB NO: 101976-05 Date Analyzed: 08/10/10
Sample Matrix: WATER Analyst: AER

POLYCHLORINATED BIPHENYLS (PCBs) EPA Method 8082

Compound		sults ig/L	Dilution Factor	MDL µg/L	PQL μg/L
Aroclor-1016		0.5	· · · · · · · · · · · · · · · · · · ·	1.0	2.0
Aroclor-1221	and the second of the second o	0.5	2	1.0	2.0
Aroclor-1232		:0.5	2 ()	1.0	2.0
Aroclor-1242		0.5		1.0	2.0
Aroclor-1248 Aroclor-1254	ida addina aktor ila kalendari i	0.5 0.5		1.0	2.0 2.0
Aroclor-1254 Aroclor-1260		10.5 1900	20	10.0	2.0
Aroclor-1262	가 하는 이 기계 경우 기계 기계 기	0.5	2	1.0	2.0

SURROGATE RECOVERY

					4973111977655	

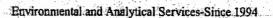
2,4,5,6-Tetrachloro-m-xylene(TCMX)

121

53-126

MDL: Method Detection Limit

PQL: Practical Quantitation Limit





 Client:
 SOUTHERN CALIFORNIA EDISON
 Date Sampled:
 08/09/10

 Sample ID:
 #1
 Date Extracted:
 08/10/10

 CAS LAB NO:
 101976-01
 Date Analyzed:
 08/10/10

 Sample Matrix:
 SOIL
 Analyst:
 ABR

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH) EFA Method 8015m

) 	Compo	und					Result mg/kg	. 5 5 . 5			ution ator		MD mg/			PQL ig/kg	
	TEPH			A. La			 < 1.0)	(i i i	7.79	1		í.	9	A Party.	5.0	

SURROGATE RECOVERY

Surrogate	(%) Recovery	
n-Undecane	107	53×126
		요 그를 내고 살이 사이 사람들은 전혀 생겨를 하게 살아왔다.

MDL: Method Detection Limit

PQL: Practical Quantitation Limit



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Client:	SOUTHERN CALIFORN	LA EDISON		Date Sampled: 08/09/10
Sample ID:	#2			Date Extracted: 08/10/10
CAS LAB NO:	101976-02			Date Analyzed: 08/10/10
Sample Matrix:	SOIL			Analyst: AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH) EPA Method 8015m

	Compound				Results mg/kg		10	ilut Facto	ion E		MDL mg/kg	mg	PQL /kg
:: ::	TEPH				7300	:		10			10.0	. 5	0.0

SURROGATE RECOVERY

	Surrogate		 (%) Recovery	(%) Control	Limits
			v v		
	n-Undecane		9.7		53-126
ingi.					
	MDL: Metho	d Detection Limit			

PQL: Practical Quantitation Limit



53-126

 Client:
 SOUTHERN CALIFORNIA EDISON
 Date Sampled:
 08/09/10

 Sample ID:
 #3
 Date Extracted:
 08/10/10

 CAS LAB NO:
 101976-03
 Date Analyzed:
 08/10/10

 Sample Matrix:
 SOIL
 Analyst:
 AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH) EPA Method 8015m

Compound	Results mg/kg	Dilution Factor		L POL kg mg/kg
TEPH	 25,000	10	10	.0 50.0

SURROGATE RECOVERY

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																						LL C			

*Surrogate recovery outside control limits due to sample interference.

MDL: Method Detection Limit

n-Undecane

PQL: Practical Quantitation Limit

SOUTHERN CALIFORNIA EDISON Client: Date Sampled: 08/09/10 Sample ID: #4 Date Extracted: 08/10/10 CAS LAB NO: 101976-04 Date Analyzed: 08/10/10 Sample Matrix: SOIL Analyst: ABR

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH) EPA Method 8015m

 Compoun	4						Resu mg/	10.7			lut		, X Shir	MI mg/)L 'ka	mo	PQI /kg	
терн		i.					26				1	T. /*-	y Say	1	0		5.0	-

SURROGATE RECOVERY

Surrogate (%)Recovery (%)Control Limits

n=Undecame 87 53-126

MDL: Method Detection Himit

PQL: Practical Quantitation Limit



Client: SOUTHERN CALIFORNIA EDISON Date Sampled:

08/09/10

Sample ID:

Date Extracted:

08/10/10

CAS LAB NO:

101976-05

Date Analyzed:

08/10/10

Sample Matrix: WATER

Analyst:

AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH) EPA Method 8015m

Compound	Results	Dilution	MDL	PQL
	mg/L	Factor	mg/L	mg/L
TEPH	2800	2	0.2	1.0

	Surrogate		2	%)Recovery	(%) Control Limits
-					
	n-Undecane			100	53-126
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	MOV. Mathed Det	eathlan Taimir			

Practical Quantitation Limit



TEPH - Quality Control (soil matrix)

Sample ID: Method Blank Date Extracted: 08/10/10 CAS LAB NO: 081010-MB Date Analyzed: 08/10/10 Sample Matrix: SOIL Analyst: ABR

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH) EPA Method 8015m

	Results	Dilution	MDL PQL
Compound	mg/kg	Factor	mg/kg mg/kg
TEPS	< 1.0	1	1.0 5.0

SURROGATE RECOVERY

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MDL: Method Detection Limit

PQL: Practical Quantitation Limit



TEPH - Quality Control (water matrix)

Sample ID:	Method Blank				Date Extracted: 0	8/10/10
CAS LAB NO:	081010-MB				Date Analyzed: 0	8/10/10
Sample Matrix:	WATER	:		a illetimbe	Analyst:	AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH) EPA Method 8015m

	Compound		Resu	ilts /L	Dilution Factor	MDL PQL mg/L mg/L
· · '	TEPH		< 0	1,1	1	0.1 0.5

SURROGATE RECOVERY

	Surrogate)Recovery	%) Control Limits
į., į.	And and a second	and the state of t	and the triangular control and give the privite but have and	gard on the first of the property of the section of
· ·	n-Undecane		83	58-126
				요마시 이 제작은 일일(1000) 이 사람이 있습니다.

MDL: Method Detection Limit

PQL: Practical Quantitation Limit



PCBs - Cuality Control Report EPA Method 8082

Analyte	Sample Result	QC Result	Qualifier	1	ike vel % RBC	% REC Limits	RPD Limits
Method Blank (081010)				Extracted:		Analyzed:	
Surrogate:Tetrachloro-a-xylene(T	7(X)	2.46			2 123	51+129	
Surrogate: Dibutylchlorendace (DBC)		1.48			2 74	53-12 <i>6</i>	
Aroclor-1016		<₹0.5		ug/L			
Aroclor-1221		<0.5		ug/L			
Aroclor-1232		₹05		ug/L			
Aroclor-1242		<0.5		ug/L			
Araclor+1246		<0.5		ug/L			
Aroclor-1254	agrifigation (ca	<0.5	+ File #1	ug/L	rinir Jawig 2		
Aroclor-1260		<0.5		ug/L			filleraat baat in in
Aroclor-1262	443.) 18. 31 1. 18. 31 2.	<0.5		ug/L			
1.02 (081010)				Extracted:	08/10/10	⊹Analyzed:	08/10/10
Surrogace: Tetrachlore-m-xylene (To	392)	2.4			2 120	51-129	
Surroyate-Dibuzylchlorendate (DSC)	uri. Nito k	2,41			2 721	33-126	
Aroclor-1260 (Total)		9.176		ug/L	10 92	50-140	
PCaD (081070)				Extracted:	08/10/10	Bnalyzed:	05/10/10
Furrogate: Tecrachioro-a-xylene (To	MX)	2.45	1.12		2 123	51-129	
Surrogate:Dibutylchlorendate(DSC)	eali	2.43			2 122	53-126	
Aroclor-1260(Total)		9.640		ug/L	10 96	50-140	

Method Blank (081010)		Extracted: 08/10/10 Analyzed:03/10/10
Sucrogate: Tetrachloro-si-xylene (TCMX)	6.35	0.2 125 51-129
Surrogate: Dibutylchlorendate (DBC)	0.25	0.2 +75 53-126
Aroclor-1016	<0.02	ng/kg
Aroclor-1221	<0.02	mg/kg
Aroclor-1232	<0.02	ng/kg
Aroclor-1242	<0.02	mg /kg
Aroclor-1248	<0.02	mg/kg
Aroclor-1254	<0.02	ng/kg
Aroclor-1260	<0.02	mg∕kg
Aroclor-1252	<0.02	mg/kg

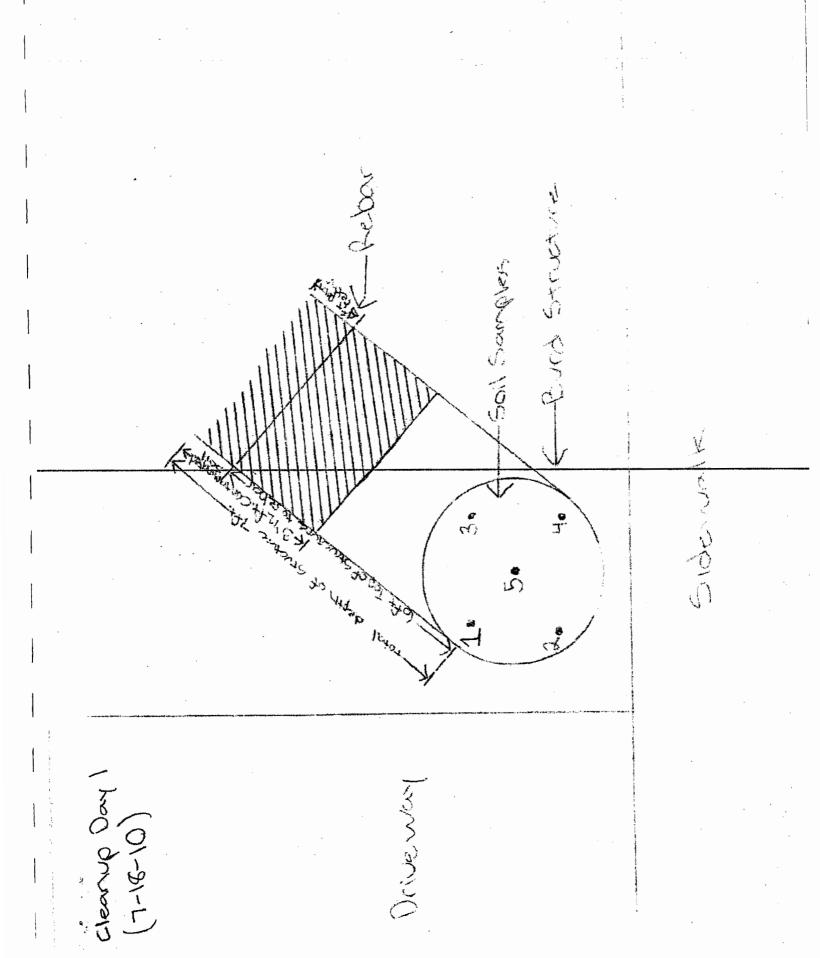
Flyas for Data Qualifiers

- S Surrogate recovery for this sample is outside control limits due to possible sample matrix interference.
- MS Spike recovery for this QC sample is outside the establish control limits due to eample matrix interference
- Q = RPD results occord the QC control limits due to matrix interference; however both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or the rest of QC

1536 Eastman Avenue Ventura, CA 93003 (805) 644-1095 Fax 644-9947

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Prepared For:

Southern California Edison

July 21, 2010

10060 Telegraph Road Ventura, CA 93004

ATTENTION: Andy Melendez

Laboratory No: 101743

Sampled By: Client

Date Received: 19-JUL-10

ID: See Below

Project: 3701 Capstan Cir., Westlake Village

Project No: VC00156

Purchase Order No: 900169326

RESULTS

On Jul 19, 2010, five (5) samples were received for analysis by Capco Analytical Services, Inc. The samples were identified and assigned the lab numbers listed below. This report consists of 8 pages excluding the cover letter and the Chain of Custody.

SAMPLE DESCRIPTION	CAS LAB NUMBER
#1	10174301
#2	10174302
: # 3	10174303
#4 _	10174304
#5	10174305

Alin E. Repede, MS

Director - Analytical Operations

This report shall not be reproduced except in full without the written approval of Capco Analytical Services, Inc.

The test results reported represent only the items being tested and may not represent the entire material from which
the sample was taken.



Client:

SOUTHERN CALIFORNIA EDISON

CAS Lab No: 101743

Matrix: SOIL

Date Received:

7/19/2010

Date Extracted:

7/19/2010

Date Analyzed: 7/19/2010

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS EPA METHOD 8015M

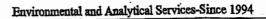
CERTIFICATE OF ANALYSIS

Compound	Concentration mg/kg	Dilution Factor	MDL mg/Kg	PQL mg/kg	% Recovery
CAS Lab # : Client ID :	101743-01 #1				
TEPH	12000	1	2	10	65
CAS Lab # : Client ID :	101743-02 #2				
TEPH	5600	1	2	10	71
CAS Lab # : Client ID :	101743-03 #3				
TEPH	12000	1	2	10	66
CAS Lab # : Client ID :	101743-04 #4				
TEPH .	. 7900	1	2	10	. 70

Surrogate: n-Undecane

Surrogate Control Limits: 48 - 114 %

MDL: Method Detection Limit
PQL: Practical Quantitation Limit
ND: Not Detected; < 2mg/Kg





Client:

CAS Lab No: 101743

SOIL Matrix:

SOUTHERN CALIFORNIA EDISON

Date Received:

7/19/2010

Date Extracted: Date Analyzed:

7/19/2010 7/19/2010

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS EPA METHOD 8015M

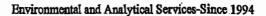
CERTIFICATE OF ANALYSIS

Compound	Concentration mg/kg	Dilution Factor	MDL mg/Kg	PQL mg/kg	Surrogate % Recovery
CAS Lab #:	101743-05 #5	1 115			
TEPH	2200	1	2	10	61
CAS Lab # : Client ID :	101743-MB Method Blank				
TEPH .	<.2	. 1	. 2	10	73

Surrogate: n-Undecane

Surrogate Control Limits: 48 - 114 %

MDL: Method Detection Limit PQL: Practical Quantitation Limit ND: Not Detected; < 2mg/Kg





Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	07/18/10
Sample ID:	· #1	Date Extracted:	07/19/10
CAS LAB NO:	101743-01	Date Analyzed:	07/19/10
Sample Matrix:	Soil	Analyst:	MLA

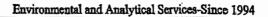
Compound .	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	.1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260 .	0.70	1	0.02	0.10
Aroclor-1262 ·	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
Tetrachloro-m-xylene(TCMX)	58	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit





Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	07/18/10
Sample ID:	#2	Date Extracted:	07/19/10
CAS LAB NO:	101743-02	Date Analyzed:	07/19/10
Sample Matrix:	Soil	Analyst:	MLA

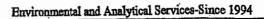
Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1 .	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	. 1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.19	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate		(%) Recovery	(%)Control Limits
		34.000.001.001.001.001.001.001.0000.001.0000.001.0000.001.0000.001.0000.001.0000.001.0000.001.0000.001.0000.0000.0000.0000.0000.0000.0000.0000	
Tetrachloro-m-xylene(TCMX)	••	51	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit





Client:	SOUTHERN CALIFORNIA E	DISON D	ate Sampled:	07/18/10
Sample ID:	#3	. Д	ate Extracted:	07/19/10
CAS LAB NO:	101743-03	מ	ate Analyzed:	07/19/10
Sample Matrix:		A	nalyst:	MLA
Dombro Mocrari.	5022			

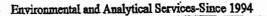
Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg	
,		1 4444	0.02	0.10	
Aroclor-1016	<0.02	Ψ.			
Aroclor-1221	<0.02	1	0.02	0.10	
Aroclor-1232	<0.02	1	0.02	0.10	
Aroclor-1242	<0.02	1	0.02	0.10	
Aroclor-1248	<0.02	1	0.02	0.10	
Aroclor-1254	<0.02	1	0.02	0.10	
Aroclor-1260	1.5	1	0.02	0.10	
Aroclor-1262	<0.02	1	0.02	0.10	

SURROGATE RECOVERY

Surrogate		(%) Recovery	(%) Control Limits
Tetrachloro-m-xylene(TCMX)	•	72	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit





Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	07/18/10
Sample ID:	#4	Date Extracted:	07/19/10
CAS LAB NO:	.101743-04	Date Analyzed:	07/19/10
Sample Matrix:	Soil	Analyst:	MLA

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.68	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	•	**********	(%)Recovery	(%) Control Limits
Wetwork over well as	ac (mony)		63	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

Client:	SOUTHERN CALIFORNIA EDISO	N Date Sampled:	07/18/10
Sample ID:	#5	Date Extracted:	07/19/10
CAS LAB NO:	101743-05	Date Analyzed:	07/19/10
Sample Matrix:	Soi1	Analyst:	MLA

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.44	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

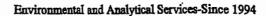
Surrogate	(%) Recovery	(%) Control Limits
Tetrachloro-m-xylene(TCMX)	57	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

"J" Sample Analysis Result > MDL, but < PQL

Vindiffical Services, Inc.





N/A Date Sampled: Client: SOUTHERN CALIFORNIA EDISON 07/19/10 Sample ID: Date Extracted: Method Blank 07/19/10 CAS LAB NO: Date Analyzed: 101743-MB MLA Sample Matrix: Analyst: Soil

POLYCHLORINATED BIPHENYLS (PCBs)

EPA Method 8082

Compound		Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016		<0.02	1	0.02	0.10
Aroclor-1221		<0.02	1 -	0.02	0.10
Aroclor-1232		<0.02	1	0.02	0.10
Aroclor-1242		<0.02	1	0.02	0.10
Aroclor-1248		<0.02	1	0.02	0.10
Aroclor-1254		<0.02	. 1	0.02	0.10
Aroclor-1260		<0.02	1	0.02	0.10
Aroclor-1262	•	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	 (%)Recovery	(%)Control Limits
Tetrachloro-m-xylene(TCMX)	64	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

CAPCO ANALYTICAL SERVICES

1536 Eastman Avenue, Suite B Ventura, CA 93003 (805) 644-1095 Fax 644-9947 www.capcoenv.com

REPORT Fax		BILL TO:	P.O.1900 16936
Company 5CF		Company Portriot	
Address 10000 Teles	months.	Address 2457 N.	Ventura Ave, Bldg.F
Vertoura CA Email An	w. meterdelle	ean Ventura	CA 03001
Phone 60/3-22.3-2509\\ Contact	And Meleberter	Phone (605-755-37) V8	Contact Pober Marking

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		į								72 HO	UHS		١.										



Material Testing Laboratory Shop Services and Instrumentation Department

ΔH	ant	Ha	n 1

Phil Jonas / Al Camas

Report Date: 7/18/2010

Location:

Thousand Oaks S/C

PCB in Oil by EPA Method 8082A/8000C
Sample Extraction: EPA 3580
CAELAP#1536

Sample Date:	7/18/2010	·	٠.
Analysis Date:	7/18/2010		

Laboratory	Unique	Sampling Location	Structure	Equipment	Serial Number	Gallons RIV	PCB
מו	Sample	Address	Number	Type /			Conc.
	1D	(Field/District/Substation)		Compartment			mg/kg
CSP2282-07181	0 072381	3701 Capstain Cir, Westlake	5024599		H235218P68A		166.
						75 W	
						25	
						21	

^{*}RL Reporting Limit - for laboratory use only

If you have questions about this report please contact the Material Testing Laboratory at (714)895-0522 or PAX 54522

Comments: (If any)	•	
OSS 18111		

Analyzed By:

Reviewed by:

Date: 7/18/10

Pate: 7/9/10



CHAIN OF CUSTODY RECORD

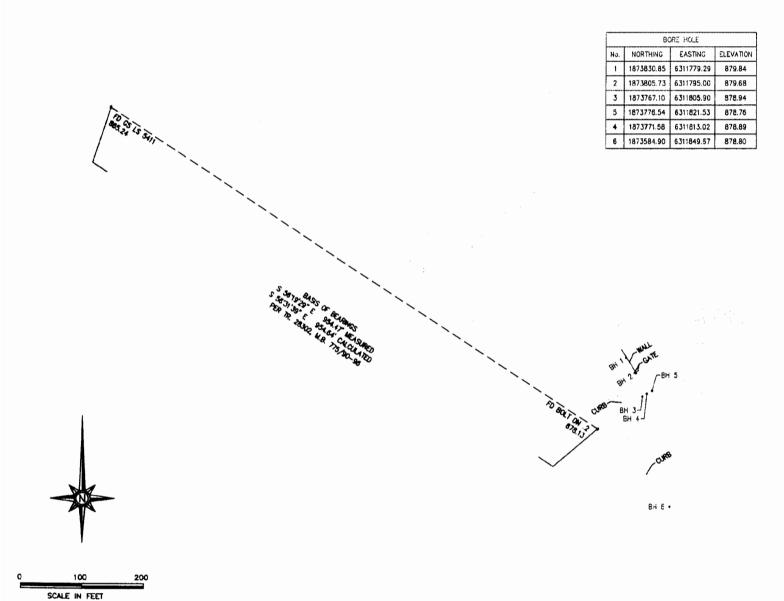
An EDISON INTERNATIONAL® Company

CHETOME	ER CÓNTA	T NAME.	DHOM	E NUMBER:			DDRESS:		FAX	(1		_	Ι		
1 .	•	-			31.10	Alvaro, Consolisce, com						ŀ			
ALVOVO P IF SAMPL	E DELIVER	RED BY PONY: PRINT PON	YLOGATION	- LLON-15	and Q	HIVOR	2000	aspecte.c	VL/			1			
						WKS :	10								
3 PROJECT	NAME (If A	lny):	SEND ANALY	TICAL RESU	LTS TO:	1		Via Email	☐ Via Fax	•					
4 PROVIDE	VALID SAF	ACCOUNTING:		EOP O	$\frac{1}{2}$	AAC	1					1			
		,			WW LL	208	VECO DAY					-			
LAB ADDRES		ls Testing Lab 7351 Fenwick Li J Hours: M-F 7:00 AM - 3:30 P				(714) 895-0 Contact Ed) 4 522					'		
For Lab	5	6	`	7	8		9	10	11	12		14	15	Tes	ts
Use Only Lab ID	Unique Sample Number	Sampling Location Add (Field/District/Substation		Structure Number (If Applicable)	Equipme and/or		Equipment Compartment	Serial Number (PRINT CLEARLY)	Gallons	Sample Date	Time Sampled	Matrix	PCB	TP.	Other
CSP2282		3701 Can	·- C:-												
071810	072381	3701 Coost Westlake VIII	pge,CA	5024979				4135118968	A	7-16-4	<u> </u>		入		
	072382														
													<u> -</u>		
	072383		_												
							· ·			-		-	\vdash	\vdash	
	072384							 							
	<u> </u>											 			Γ
	072385								1						
16 Sampla(e) Col	lected by (A	lame): Robert Ma	ماري د د د	Signatura	maka O	A 25	melsa	Preservatives t	leed:		Yes	. 🗆	No	rst)	
1					_ 1		· ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	10		/Time 7					
Relinguished I	**************************************	Uth Mathroate: 7-	-) Tim	e:1435	Rec	eived By:		Date	/Time	- 0	• /-	<u>. د. ۲</u>		
Relinquished I	By: Fel _	Date: 7	18.10	Tim	e: 16:22	Rec	eived By: S		Date	/Time	<u>7-18:</u>	10	4	,2	-
Relinquished I	By:	Date:		Tim	e: .	Rec	eived By:	Hexena	Date	a/Time	/18/	10	10	, 4	<u></u>
17 IF SAMPI	LE DELIVE	RED IN PERSON:				,	YOUR	NAME #						•	
18 TURNAR	OUND TIME	YOUR NAME:	COMME	NTS (If Any):		YOUR PHONE #: 20 Fill This Section Only If Applie					cable				
	al (3-5 Day	rs)	Cont	xx F	shoulf	Ca	con	AS AP							
Same	Day (100% s. (75% Sur	Surcharge) charge)	Wit	F, b	CBS	Rec	alte	AS.AR.	if Sample (is From a XII Spill Nu		181	11		

APPENDIX B LICENSED SURVEYOR REPORT

Table B-1 – Surveyor Boring Numbers Translated to Record Boring Numbers

Surveyor	Designation of
Designation	Record
BH-1	HA-1
BH-2	HA-2
BH-3	DP-1
BH-4	DP-2
BH-5	DP-3
BH-6	DP-4





HORIZONTAL CONTROL: NAD 83, ZONE 5 VERTICAL CONTROL: NAVD 88

PROJECT NAME: BORE HOLES © 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE 2/3/2011 6:35 AM WESTLAKE VILLAGE | COUN.

NGS CONTROL POINT, RUSSELL VALLEY G5 FOUND GEAR SPIKE, TAG LS 5411 ELEVATION: 887.58

APPENDIX C LOS ANGELES COUNTY GROUNDWATER SAMPLING PERMIT

WELL PERMIT APPLICATION - NON PRODUCTION WELLS

DRINKING WATER PROGRAM - ENVIRONMENTAL HEALTH DIVISION

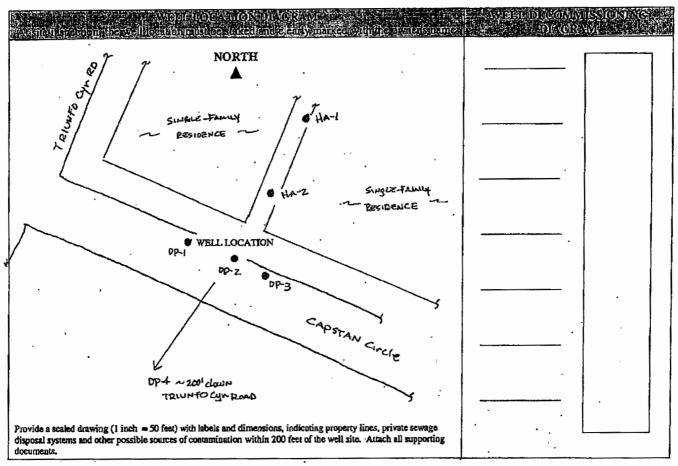
DATE 12/21/2010

5050 COMMERCE DRIVE	BALDWIN PARK, CA 91706	TELE (626) 430-5420 FAX	((626) 813-3016		
I NEW WELL CONSTRUC	CITION - RECONSTRUCT	TION OR RENOVATION	 DECOMMISSIONING 		
D MONITORING	CATHODIC	U INTECTION	□ EXTRACTION	☐ HEAT BXCHA	NGE
Y HYDROPUNCH	D C P T (For Ground	Water Sampling)	U COLPRESS.		, <u>Vizabelle</u>
Site Address 3701 CAP	STAN CIRCLE	WESTLA	KE VI PLAGE City		Zip Code 91361
Nearest Intersection		Thomas Guide Map B	ook Page/Grid	Number of Wells	
	IFO CANYON ROAD	LACOUNTY S	557/ G7		Betsunder er er en
				RIPERANGE PROPERTY OF THE PROPERTY.	
Total Depth of Well	Depth of Well Casing	3	anitary / Annular Scaling Mat	cuar	• . •
Depth of Sanitary / Annular	Sea)	. Con	ductor Casing Seal	,	
		Մասագույթ ուղղագությունները գուրագությունն	e males este sanconsus composition	uan ishali shiringa sangaran maga	ANGELERASING ANGELOW PARTE OF THE PARTE OF T
Owner's Name		TAIL TAIL TAIL TAIL TAIL TAIL TAIL TAIL	one Number		
SOUTHERN C,	alifornia edisou		-394-8623	•	
Address 300 N. Lon			SAN DIMAS City	91	113 ^{Zip Code}
Driller's Name		Tclopi	one Number	C-57 Licons	THE PROPERTY OF THE PROPERTY O
	452, INC	323	-218-7700	730	421
Address 6200 PEACHTE	EE ST. LOS ANGELES	s	City	. 90	O40 Zip Code
		are ensured that the			NATIONAL SPECIAL PROPERTY.
Well Depth	Method	of	artitle sill deliaten draft mütter sted of a legitalit lei	Depth and Number	daminanana Penderintahan dan 191
□ log/records	Well Asse			of Perforations	
Type and	Type of	Size of Perforation		ethod of Upper Seal ressure Application	_
Amount of Sealant	Perforator	Periotati		Tessure Application	ere en la compa
Соправу	Suita taid del comme a primate confectional (1960) discon	Patrial tracks from the best and and the desired to be a second to the second track and track and the second track and track and the second track and the second track and track and track and track a	anners de de la companya se la Princi (2001 (1991) (1991) (1992)	to be a figure on the first of	
	TECHNICAL GROUP		- Class	State	Zip Code
Address 300 N. L	ONE HILL AVE		SAN DIMAS	CV	9,713
Project Manager	1	Telephone Number	.	Fax Number	9(10
DAVID VAN	K PLAN MODIFICATI	969-394-86		909- 394-	
	THE SITE INSPECTION				
THIS DEPARTMEN		TO TAKE TO CIVE TO	D11 1 11 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1	JOOLE OF WORK	
I hereby agree to comply in	wery respect with all the regulati				
	fornia pertaining to well constru	cion, reconsuraction, and dec	commissioning data deemed ne	cessary by the County Envir	conmental Health
Division Of Los Angeles Co	d / /		Name: DIAVID M.	Lu II poral	
Signature of Applicant:	(Javey M-Vanto	Ren Printed			
THIS PERMIT IS NO	OT COMPLETE UNTIL	ALL OF THE FOLL	OWING REQUIREM	ENTS AND THE STREET	FF BY THE
DEPUTY HEALTH (OFFICER. WELL CONS PROVAL FROM THIS E	STRUCTION OR DE	COMMISSIONING C	ANN	WITHOUT
A WOKA PLAN APP	KOAT LKOM 1979 T	EPAKIMENI.			
**********	********	***(DEPARTMENT Ú	SE ONLY)******	*****	********
		•	,		Z. Z4
	Of the Section of the				
THURST THE		R P	HIS // T	CA SUFFICE	1/07/
Conditions		HALL R	Froolds Jean	2	1/07/4
Conditions:	werk olen	and pigin	trois all	selberts	1/07/4
Conditions:	work glan	and main	Trois all	selberti	1/07/11
Condicions: Obles en Please No	work plan Tify 48hm	and mois	tain all	selpecti L I	. 1/07/1
Conditions: Obles en Please No Ajvarez	week plan Tify 48hor Eph. Lacou	and moin	tain all field was	Selberts LE X	
Copditions: Observe Please no Ajvarez	week plan Tify 48hm Eph. Lacou	end main prior to ity-gov -	tain all field was	5-elberts L X 11-0708	
Conditions Observed Please No Ajvarez	work plan Tify 48hm eph. Lacou	and main prior to ity-gov -	frield Juan field war (218) 70	Selberts LK I	1/07/4 -
Copalisone Observa Please No Ajvarez	work plan Tify 48hm e ph. Lacou	and mois	frield Juan field was (218) 70	Selberts LI-0708	
Copdisions: Observe Please No Ajvarez	work plan Tify 48hm Eph. Lacour	end mois	tain all field was (218) 70	Selberts LI-0708 DAT	

NOTICE

This well permit approval is limited to compliance with the California Well Standards and the Los Angeles County Code and does not grant any rights to construct, reconstruct, or decommission any well. The applicant is responsible for securing all other necessary permits.

Well Location (Include distances from road and major cross streets)	
SAMPLING IN ROADWAY 100'T From INTERSECTION	OF CAPSTAN CIRCLE & TRIUNFO CANYON ROAD
Projected Start Date:	Projected End Date:
JANUARY 10, 2041	January 14, 2011



ADVANCE direct push to ~12-fee	T bas. Water report	lep at 8'bgs.	Collect WATER S	sauple with
bailer ar peristaltic pump.	-			
Agphalt surface	` ` ` .			
Two locations will be advance	to with Hand Auger	- Sampling a	end hole aband	convent will
be as described Above				
•				

	SNOUES/COMMENTS (Department/UserOnly)	
	· · ·	
,		
	•	

APPENDIX D

SOIL BORING LOGS

SOU	THERN CAL	LIFORNIA				BORING LOG	ORING LOG				
	ER PRODUC		Drill Rig	: G	eoprobe	Date Drilled: Jan. 12	2, 2011	Logged By:			
Engineering And GEOTECHNICAL	. GROUP	n services	Boring C)ia: 2.2	5 Inches	Boring Number:	DP-1	E. Carlisle			
Sample Pli Depth (ppi		ompletion	Depth Feet	Lithology		Desc	ription				
Completion N Installed and re feet below grou -Screene	Notes:	inch PVC te a (bgs) on 1	-12-2011.	undwater sam	(SP) Bricoarse- (ML) Da dense, I (SP) Brisand, di grades grades BOTTO GROUI NO BEI NO VIS Backgro	own SAND with some silt arense, moist to Dark Brown SILTY SAND M OF BORING AT 16 FEE NDWATER OBSERVED VI NDWATER DETECTED AT DROCK ENCOUNTERED IBLE STAINS OR ODORS DUIND PID: 0.0ppm	T SUALLY AT	, low plasticity, vel, fine-grained and trace fine gravel			

MV	SOUTHERN	CALIFORNIA				BORING L	ORING LOG			
Kranica	POWER PRO		Drill Rig	: G	eoprobe	Date Drilled:	Jan. 12, 2011	Logged By:		
GEOTECI	ING AMA 18CH	inical Services UP	Boring C	Dia: 2.2	5 Inches	Boring Number	er: DP-2	E. Carlisle		
Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology		•	Description			
Installed	13.1	d 1 inch PVC ter		undwater sam	(ML) Da plasticit wet Grades BOTTC GROUI GROUI NO BE NO VIS Background	ark Brown SILT with any moist to SANDY SILT, moist	and occational fine edium dense, dry h clay and some fine n clay and some fine r 12 FEET RVED VISUALLY A CTED AT 8.2 FEET TERED	e-grained sand, low		
	feet below ground surface (bgs) on 1-12-2011. -Screened Interval - 12 to 7 feet bgs						Tillugo of			

	SOUTHER	CALIFORNIA	BORING LOG							
Enginee	POWER PRO	DOUCTION Innical Services	Drill Rig	: G	eoprobe	Date Drilled: Ja	an. 12, 2011	Logged By:		
GEOTEC	HNICAL GRO	UP .	Boring D	ring Dia: 2.25 Inches		Boring Number:	DP-3	E. Carlisle		
Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	y Description					
	17				(SM) Br medium (CL) Br (SM) Br (SM) Br grades	on surface (4 inches) rown SILTY SAND with regrained, dense, dry own CLAYEY SILT, his rown SAND with sitt, fil to more coarse-grained M OF BORING AT 12 IDWATER OBSERVE IDWATER DETECTE DROCK ENCOUNTER IBLE STAINS OR OD ound PID: 0.0ppm	gh plasticity, moisine to medium-grand SAND with department of the control of the	ained, wet		
	tion Notes:	I 1 inch PVC tem	morani aras	induster same	ling well to 41	Site:				
feet belov	w ground sur	face (bgs) on 1-1 val - 12 to 7 feet	12-2011.	niuwater sampi	mag well to 12	Westlake	Village GW	Sampling		
		12 10 7 1001						· .		

	SOUTHERN	CALIFORNIA				BORING LOG			
Engineer	POWER PRO	DUCTION nical Services	Drill Rig:	G	eoprobe	Date Drilled:	Jan. 12, 2011	Logged By:	
	HNICAL GROU		Boring D)ia: 2.2	5 Inches	Boring Number	er: DP-4	E. Carlisle	
Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	,		Description		
	0.0		- 5	6. 4	(SP) Briggrades coarse-	own to Dark Brown fine- to coarse-gra	with fine gravel, fine medium dense, dry SANDY SILT with a sined sand, dense, must be sand, dense, must be dry T with some clay, interest to dry SAND with some files of the server o	some fine to coarse loist erbeds of y	
installed	etion Notes: and removed	i 1 inch PVC ten	nporary grou	undwater sam	pling well to 10	Site: Westla	ke Village GW	/ Sampling	
	_	face (bgs) on 1- val - 16 to 11 fe		,		11.0000		g	
	•	·							

SOUTHERN	CALIFORNIA	BORING LOG							
POWER PROD Engineering And Techn		Drill Rig:	Har	nd Auger	Date Drilled:	Jan. 12, 2011	Logged By:		
GEOTECHNICAL GROU	P	Boring D	Boring Dia: 2.25 Inches		Boring Number	er: HA-1	ZAF		
Sample PID (ppm)	Completion	Depth Feet	Lithology			Description			
19.7		- 5		(SC) Br sub-ang (SW) B sand, fi grades BOTTO GROUN GROUN NO BEI NO VIS	own to Tan CLAYE gular to sun-rounde rown to Tan GRAV ne gravel, sub-roun to Dark Brown SAN	Y SAND, fine- to co d, medium plasticity ELLY SAND, fine- to ided, slightly dense, MD 10 FEET EVED VISUALLY AT TED AT 7.5 FEET	parse-grained, , moist o coarse-grained moist		
Completion Notes:		I			Site:	4			
Installed and removed feet below ground surfa	ace (bgs) on 1-1	2-2011.	indwater sam	oling well to 10	Westlai	ce Village GW	Sampling		
-Screened Interv	al - 10 to 5 feet	bgs							

SOUTHERN CALIFORNIA		BORING LOG							
Fredress	POWER PRO	DUCTION Inical Services	Drill Rig	: Har	nd Auger	Date Drilled:	Jan. 12, 2011	Logged By:	
GEOTECI	INICAL GRO	UP	Boring D	Boring Dia: 2.25 Inch		Boring Number	er: HA-2	E. Carlisle	
Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology			Description		
	14.7		5 — — — — — — — — — — — — — — — — — — —	### ### ### #### #####################	(SM) Bit dense, (SP) Litto sub-dense, BOTTO GROUL GROUL NO BE NO VIS	ing clay content will own SILTY SAND, wet M OF BORING AT NDWATER OBSEI NDWATER DETEC DROCK ENCOUN IBLE STAINS OR bund PID: 0.0ppm	th depth T 12 FEET RVED VISUALLY A CTED AT 6.9 FEET TERED	y grained, sub-rounded	
Installed feet belo	Completion Notes: Installed and removed 1 inch PVC temporary groundwater sampling well to 12 feet below ground surface (bgs) on 1-12-2011.					Site: Westla	Site: Westlake Village GW Sampling		
-5	creened inte	rval - 12 to 7 fee	c ogs	•					

.

APPENDIX E

ANALYTICAL TESTING RESULTS AND CHAIN OF CUSTODY

February 04, 2011



ELAP No.: 1838 NELAP No.: 02107CA CSDLAC No.: 10196 ORELAP No.: CA300003

Workorder No.: 115793

David Van Horsen Southern California Edison 300 N. Lone Hill Avenue San Dimas, CA 91773

TEL: (909) 394-8623 FAX: (909) 394-8593

RE: Westlake Village GW Sampling, 313725

Attention: David Van Horsen

Enclosed are the results for sample(s) received on January 13, 2011 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an amended report. Please disregard all previous documentation that corresponds to the page(s) enclosed.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rødriguez

Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Date: 04-Feb-11

CLIENT:

Southern California Edison

Project:

Westlake Village GW Sampling, 313725

Lab Order:

115793

CASE NARRATIVE

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Sample Receiving / General Comments

PCB analysis was requested beyond hold time for sample 115793-016A. Results are flagged with an "H" qualifier.

"ND" is defined as less than Method Detection Limit (MDL).

Analytical Comments for Method 8082

Surrogate recovery biased low possibly for sample 115793-007A, due to matrix interferences.

Higher detection limits were required for groundwater sample DP-4, due to insufficient sample volume.

ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: DP-1@8'

Lab Order:

115793

Collection Date: 1/12/2011 10:21:00 AM

Project:

Westlake Village GW Sampling, 313725

Matrix: SOIL

Lab ID:

115793-001A

Analyses		Result	Result MDL PQL		ual Units	DF Date Analyzed					
PCBS I	PCBS BY GC/ECD										
		EPA 3550B		EPA	8082						
RunID:	GC4_110119A	QC Batch: 69	842		PrepDate:	1/18/2011	Analyst: BB				
Arock	or 1016	ND	5.0	16	μg/Kg	1 1	/19/2011 02:14 PM				
Arock	or 1221	ND	5.0	16	μg/Kg	1 1	/19/2011 02:14 PM				
Arock	or 1232	ND	5.0	16	μg/Kg	1 1	/19/2011 02:14 PM				
Arock	or 1242	ND	5.0	16	μg/Kg	1 1	/19/2011 02:14 PM				
Arock	or 1248	ND	5.0	16	μg/Kg	1 1	/19/2011 02:14 PM				
Arock	or 1254	ND	5.0	16	μg/Kg	1 4	I/19/2011 02:14 PM				
Arock	or 1260	ND	5.0	16	μg/Kg	1 '	I/19/2011 02:14 PM				
Arock	or 1262	ND	5.0	16	μg/Kg	1	/19/2011 02:14 PM				
Arock	or 1268	ND	5.0	16	μg/Kg	1 '	I/19/2011 02:14 PM				
Su	rr: Decachlorobiphenyl	95.6	0	36-124	%REC	1 1	I/19/2011 02:14 PM				
Su	п: Tetrachloro-m-xvlene	74.0	0	35-141	%REC	1	1/19/2011 02:14 PM				

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference



Advanced Technology Laboratories

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: DP-2@7'

Lab Order:

115793

Collection Date: 1/12/2011 10:48:00 AM

Project:

Westlake Village GW Sampling, 313725

Matrix: SOIL

Lab ID:

115793-002A

Analyses	Result	Result MDL		ual Units	DF Dat	DF Date Analyzed		
PCBS BY GC/ECD					·			
	EPA 3550B		EPA	8082				
RunID: GC4_110119A	QC Batch: 69	842		PrepDate:	1/18/2011	Analyst: BB		
Aroclor 1016	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM		
Aroclor 1221	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM		
Aroclor 1232	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM		
Aroclor 1242	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM		
Aroclor 1248	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM		
Aroclor 1254	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM		
Aroclor 1260	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM		
Aroclor 1262	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM		
Aroclor 1268	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM		
Surr: Decachlorobiphenyl	66.7	0	36-124	%REC	1 1	/19/2011 02:45 PM		
Surr: Tetrachloro-m-xylene	55.4	0	35-141	%REC	1 1	/19/2011 02:45 PM		

Qualifiers:

B Analyte detected in the associated Method Blank

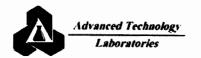
H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference



1/19/2011 03:16 PM

Advanced Technology Laboratories

CLIENT: Lab Order: Southern California Edison

11

Surr: Tetrachloro-m-xylene

115793

Westlake Village GW Sampling, 313725

Project: Lab ID:

115793-003A

Client Sample ID: DP-3@8'

Collection Date: 1/12/2011 11:29:00 AM

Print Date: 04-Feb-11

Matrix: SOIL

%REC

Analys	es	Result	MDL	PQL Q	ual Units	DF Dat	e Analyzed
PCBS E	BY GC/ECD						
		EPA 3550B		EPA	8082		
RunID:	GC4_110119A	QC Batch: 69	842		PrepDate:	1/18/2011	Analyst: BB
Aroclo	or 1016	ND	5.0	16	μg/Kg	1 1	/19/2011 03:16 PM
Aroclo	or 1221	ND	5.0	16	μg/Kg	1 1	/19/2011 03:16 PM
Aroclo	or 1232	ND	5.0	16	μg/Kg	1 1	/19/2011 03:16 PM
Aroclo	or 1242	ND	5.0	16	μg/Kg	1 1	/19/2011 03:16 PM
Aroclo	or 1248	ND	5.0	16	μg/Kg	1 1	/19/2011 03:16 PM
Aroclo	or 1254	ND	5.0	16	μg/Kg	1 1	/19/2011 03:16 PM
Aroclo	or 1260	ND	5.0	16	μg/Kg	1 1	/19/2011 03:16 PM
Aroclo	or 1262	ND	5.0	16	μg/Kg	1 1	/19/2011 03:16 PM
Arock	or 1268	ND	5.0	16	μg/Kg	1 1	/19/2011 03:16 PM
Sur	r: Decachlorobiphenyl	97.1	0	36-124	%REC	1 1	/19/2011 03:16 PM

35-141

72.9

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference



Advanced Technology Laboratories

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: DP-4@8'

Lab Order:

115793

Collection Date: 1/12/2011 9:46:00 AM

Project:

Westlake Village GW Sampling, 313725

Matrix: SOIL

Lab ID:

115793-004A

Analyses		Result	MDL	PQL Q	ual Units	DF Da	te Analyzed
PCBS I	BY GC/ECD				,	·	
		EPA 3550B		EPA	8082		
RunID:	GC4_110119A	QC Batch: 698	142		PrepDate:	1/18/2011	Analyst: BB
Arock	or 1016	ND	5.0	16	μg/Kg	1 1	/19/2011 03:47 PM
Arock	or 1221	ND	5.0	16	μg/Kg	1 1	/19/2011 03:47 PM
Arock	or 1232	ND	5.0	16	μg/Kg	1 1	/19/2011 03:47 PM
Arock	or 1242	ND	5.0	16	μg/Kg	1 1	/19/2011 03:47 PM
Arock	or 1248	ND	5.0	16	μg/Kg	1 1	/19/2011 03:47 PM
Arock	or 1254	ND	5.0	16	μg/Kg	1 1	/19/2011 03:47 PM
Arock	or 1260	ND	5.0	16	μg/Kg	1 1	/19/2011 03:47 PM
Arock	or 1262	ND	5.0	16	μg/Kg	1 1	/19/2011 03:47 PM
Arock	or 1268	ND	5.0	16	μg/Kg	1 1	/19/2011 03:47 PM
Sui	rr: Decachlorobiphenyl	90.9	0	36-124	%REC	1 1	/19/2011 03:47 PM
Sur	rr: Tetrachloro-m-xylene	71.5	0	35-141	%REC	1 1	/19/2011 03:47 PM

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

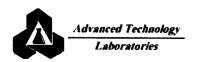
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference

Fax: 562,989,4040



ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: HA-1-9'

Lab Order:

115793

Collection Date: 1/12/2011 1:24:00 PM

Project:

Westlake Village GW Sampling, 313725

Matrix: SOIL

Lab ID:

115793-005A

Analys	es	Result	MDL	PQL Q	ual Units	DF Da	te Analyzed
PCBS	BY GC/ECD						
		EPA 3550B		EP#	8082		
RunID:	GC4_110119A	QC Batch: 698	342		PrepDate:	1/18/2011	Analyst: BB
Arock	or 1016	ND	5.0	16	μg/Kg	1	1/19/2011 04:18 PM
Arock	or 1221	ND	5.0	16	μg/Kg	1	1/19/2011 04:18 PM
Arock	or 1232	ND	5.0	16	μg/Kg	1	1/19/2011 04:18 PM
Arock	or 1242	ND	5.0	16	μg/Kg	1	1/19/2011 04:18 PM
Arock	or 1248	ND	5.0	16	μg/Kg	1	1/19/2011 04:18 PM
Arock	or 1254	ND	5.0	16	μg/Kg	1	1/19/2011 04:18 PM
Arock	or 1260	ND	5.0	16	μg/Kg	1	1/19/2011 04:18 PM
Arock	or 1262	ND	5.0	16	μg/Kg	1	1/19/2011 04:18 PM
Arock	or 1268	ND	5.0	16	μg/Kg	1	1/19/2011 04:18 PM
Su	π: Decachlorobiphenyl	114	0	36-124	%REC	1	1/19/2011 04:18 PM
Su	rr: Tetrachloro-m-xvlene	94.3	0	35-141	%REC	1	1/19/2011 04:18 PM

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference



ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: HA-2-6'

Lab Order:

115793

Collection Date: 1/12/2011 1:53:00 PM

Project:

Westlake Village GW Sampling, 313725

Matrix: SOIL

Lab ID:

115793-006A

Analys	es	Resu	ılt	MDL	PQL	Qual	Units	DF D	ate Analyzed
PCBS I	BY GC/ECD								
		EPA 3550B			E	PA 80	B2		
RunID:	GC4_110119A	QC Batch:	69	842			PrepDate:	1/18/20	11 Analyst: BB
Arock	or 1016	1	ND	5.0	16		μg/Kg	1	1/19/2011 04:49 PM
Arock	or 1221	ľ	ND	5.0	16		μg/Kg	1	1/19/2011 04:49 PM
Arock	or 1232	ı	ND	5.0	16		μg/Kg	1	1/19/2011 04:49 PM
Arock	or 1242	ı	ND	5.0	16		μg/Kg	1	1/19/2011 04:49 PM
Arock	or 1248	ı	ND	5.0	16		μg/Kg	1	1/19/2011 04:49 PM
Arock	or 1254	ı	ND	5.0	16		μg/Kg	1	1/19/2011 04:49 PM
Arock	or 1260	ı	ND	5.0	16		μg/Kg	1	1/19/2011 04:49 PM
Arock	or 1262	ı	ND	5.0	16		μg/Kg	1	1/19/2011 04:49 PM
Arock	or 1268	1	ND	5.0	16		μg/Kg	1	1/19/2011 04:49 PM
Sui	rr: Decachlorobiphenyl	1	10	0	36-124		%REC	1	1/19/2011 04:49 PM
Sui	rr: Tetrachloro-m-xvlene	96	6.1	0	35-141		%REC	1	1/19/2011 04:49 PM

Qualifiers:

B Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference



Advanced Technology Laboratories

Print Date: 04-Feb-11

CLIENT: Lab Order: Southern California Edison

115793

Westlake Village GW Sampling, 313725

Collection Date

Client Sample ID: DP-1

Collection Date: 1/12/2011 10:58:00 AM

Project: Lab ID:

115793-007A

Matrix: GROUNDWATER

Analyses	Result	MDL	PQL (Qual	Units	DF Dat	te Analyzed
PCBS BY GC/ECD							
	EPA 3510C		EP	A 80	82		
RunID: GC5_110119A	QC Batch: 698	359			PrepDate:	1/19/2011	Analyst: BB
Aroclor 1016	ND	0.21	0.53		μg/L	1 1	/19/2011 10:06 PM
Aroclor 1221	ND	0.21	0.53		μg/L	1 1	/19/2011 10:06 PM
Aroclor 1232	ND	0.21	0.53		μg/L	1 1	/19/2011 10:06 PM
Aroclor 1242	ND	0.21	0.53		μg/L	1 1	/19/2011 10:06 PM
Aroclor 1248	ND	0.21	0.53		μg/L	1 1	/19/2011 10:06 PM
Aroclor 1254	ND	0.21	0.53		μg/L	1 1	/19/2011 10:06 PM
Aroclor 1260	ND	0.21	0.53		μg/L	1 1	/19/2011 10:06 PM
Aroclor 1262	ND	0.21	0.53		μg/L	1 1	/19/2011 10:06 PM
Aroclor 1268	ND	0.21	0.53		μg/L	1 1	/19/2011 10:06 PM
Surr: Decachlorobiphenyl	37.8	0	26-112		%REC	1 1	/19/2011 10:06 PM
Surr: Tetrachloro-m-xylene	46.5	0	48-130	s	%REC	1 1	/19/2011 10:06 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

 Results are wet unless otherwise specified

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interference

Fax: 562.989.4040



Print Date: 04-Feb-11

Advanced Technology Laboratories

CLIENT: Southern California Edison

Client Sample ID: DP-1 Duplicate

Lab Order: Collection Date: 1/12/2011 11:03:00 AM 115793 Matrix: GROUNDWATER Project: Westlake Village GW Sampling, 313725

Lab ID: 115793-008A

Analyses	Result	MDL	PQL	Qual Units	DF Date Analyzed

Allalys	CS	Kesuit	MIDL	TQL Q	uai Units	DI Da	te Analyzeu
PCBS	BY GC/ECD		101 12010				
		EPA 3510C		EPA	8082		
RunID:	GC5_110119A	QC Batch: 69	859		PrepDate:	1/19/2011	Analyst: BB
Arock	or 1016	ND	0.22	0.56	μg/L	1 1	I/19/2011 10:35 PM
Arock	or 1221	ND	0.22	0.56	μg/L	1 1	I/19/2011 10:35 PM
Arock	or 1232	. ND	0.22	0.56	μg/L	1 '	1/19/2011 10:35 PM
Arock	or 1242	ND	0.22	0.56	μg/L	1	1/19/2011 10:35 PM
Arock	or 1248	ND	0.22	0.56	μg/L	1 '	1/19/2011 10:35 PM
Arock	or 1254	ND	0.22	0.56	μg/L	1 '	1/19/2011 10:35 PM
Arock	or 1260	ND	0.22	0.56	μg/L	1 '	1/19/2011 10:35 PM
Arock	or 1262	ND	0.22	0.56	μg/L	1 '	1/19/2011 10:35 PM
Arock	or 1268	ND	0.22	0.56	μg/L	1 '	1/19/2011 10:35 PM
Su	rr: Decachlorobiphenyl	46.5	0	26-112	%REC	1	1/19/2011 10:35 PM
Su	rr: Tetrachloro-m-xylene	60.4	0	48-130	%REC	1 '	1/19/2011 10:35 PM

Qualifiers:

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Results are wet unless otherwise specified

- Value above quantitation range
- Analyte detected below quantitation limits
- Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out



ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: DP-2

Lab Order:

115793

Collection Date: 1/12/2011 11:31:00 AM

Project:

Westlake Village GW Sampling, 313725

Matrix: GROUNDWATER

Lab ID:

115793-009A

Analyses	Result	MDL	PQL Q	ual Units	DF Da	te Analyzed
PCBS BY GC/ECD						
	EPA 3510C		EPA	8082		
RunID: GC5_110119A	QC Batch: 698	359		PrepDate:	1/19/2011	Analyst: BB
Aroclor 1016	ND	0.22	0.56	μg/L	1 .	/19/2011 11:05 PM
Aroclor 1221	ND	0.22	0.56	μg/L	1 .	/19/2011 11:05 PM
Aroclor 1232	ND	0.22	0.56	μg/L	1	/19/2011 11:05 PM
Aroclor 1242	ND	0.22	0.56	μg/L	1 '	/19/2011 11:05 PM
Aroclor 1248	ND	0.22	0.56	μg/L	1 .	/19/2011 11:05 PM
Aroclor 1254	ND	0.22	0.56	μg/L	1 '	/19/2011 11:05 PM
Aroclor 1260	ND	0.22	0.56	μg/L	1	/19/2011 11:05 PM
Aroclor 1262	ND	0.22	0.56	μg/L	1	/19/2011 11:05 PM
Aroclor 1268	ND	0.22	0.56	μg/L	1 '	/19/2011 11:05 PM
Surr: Decachlorobiphenyl	42.6	0	26-112	%REC	1	/19/2011 11:05 PM
Surr: Tetrachloro-m-xylene	60.2	0	48-130	%REC	1 .	/19/2011 11:05 PM

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference



ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: DP-3

Lab Order:

115793

Collection Date: 1/12/2011 11:41:00 AM

Project:

Westlake Village GW Sampling, 313725

Matrix: GROUNDWATER

Lab ID:

115793-010A

Analyses		Result	MDL	PQL Q	ual Units	DF Da	te Analyzed
PCBS I	BY GC/ECD						
		EPA 3510C		EPA	A 8082		
RunID:	GC5_110119A	QC Batch: 69	859		PrepDate:	1/19/2011	Analyst: BB
Arock	or 1016	· ND	0.22	0.56	μg/L	1	I/19/2011 11:35 PM
Arock	or 1221	ND	0.22	0.56	μg/L	1	I/19/2011 11:35 PM
Arock	or 1232	ND	0.22	0.56	μg/L	1 '	I/19/2011 11:35 PM
Arock	or 1242	ND	0.22	0.56	μg/L	1	I/19/2011 11:35 PM
Arock	or 1248	ND	0.22	0.56	μg/L	1 '	1/19/2011 11:35 PM
Arock	or 1254	ND	0.22	0.56	μg/L	1	1/19/2011 11:35 PM
Arock	or 1260	ND	0.22	0.56	μg/L	1	1/19/2011 11:35 PM
Arock	or 1262	ND	0.22	0.56	μg/L	1	1/19/2011 11:35 PM
Arock	or 1268	ND	0.22	0.56	μg/L	1	1/19/2011 11:35 PM
Sui	rr: Decachlorobiphenyl	51.1	0	26-112	%REC	1	1/19/2011 11:35 PM
Sui	rr: Tetrachloro-m-xylene	69.3	0	48-130	%REC	1	1/19/2011 11:35 PM

Qualifiers:

Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference



ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: DP-4

Lab Order:

115793

Collection Date: 1/12/2011 2:15:00 PM

Project:

Westlake Village GW Sampling, 313725

Matrix: GROUNDWATER

Lab ID:

115793-011A

Analys	es	Result	MDL	PQL Q	ual Units	DF Da	te Analyzed
PCBS E	BY GC/ECD						
		EPA 3510C		EPA	8082		
RunID:	GC5_110119A	QC Batch: 698	359		PrepDate:	1/19/2011	Analyst: BB
Aroclo	or 1016	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Aroclo	or 1221	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Aroclo	or 1232	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Aroclo	or 1242	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Arock	or 1248	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Aroclo	or 1254	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Aroclo	or 1260	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Arock	or 1262	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Aroclo	or 1268	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Sur	т: Decachlorobiphenyl	64.7	0	26-112	%REC	1	1/20/2011 12:05 AM
Sur	r: Tetrachloro-m-xylene	88.9	0	48-130	%REC	1	1/20/2011 12:05 AM

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference



Print Date: 04-Feb-11

Advanced Technology Laboratories

CLIENT: Southern California Edison Client Sample ID: HA-1

Lab Order:115793Collection Date:1/12/2011 1:46:00 PMProject:Westlake Village GW Sampling, 313725Matrix:GROUNDWATER

Lab ID: 115793-012A

Analys	es	Result	MDL	PQL Q	ual Units	DF Da	te Analyzed
PCBS I	BY GC/ECD						
		EPA 3510C		EPA	8082		
RunID:	GC5_110119A	QC Batch: 69	9859		PrepDate:	1/19/2011	Analyst: BB
Arock	or 1016	ND	0.22	0.56	μg/L	1 1	I/20/2011 12:35 AM
Arock	or 1221	ND	0.22	0.56	μg/L	1 1	/20/2011 12:35 AM
Arock	or 1232	ND	0.22	0.56	μg/L	1 1	/20/2011 12:35 AM
Arock	or 1242	ND	0.22	0.56	μg/L	1 1	I/20/2011 12:35 AM
Arock	or 1248	ND	0.22	0.56	μg/L	1 1	I/20/2011 12:35 AM
Arock	or 1254	ND	0.22	0.56	μg/L	1 1	I/20/2011 12:35 AM
Arock	or 1260	ND	0.22	0.56	μg/L	1 1	I/20/2011 12:35 AM
Arock	or 1262	ND	0.22	0.56	μg/L	1 '	I/20/2011 12:35 AM
Arock	or 1268	ND	0.22	0.56	μg/L	1 '	I/20/2011 12:35 AM
Sui	rr: Decachlorobiphenyl	37.2	0	26-112	%REC	1 '	I/20/2011 12:35 AM
Sui	rr: Tetrachloro-m-xylene	60.9	0	48-130	%REC	1 '	I/20/2011 12:35 AM

Qualifiers:

B Analyte detected in the associated Method Blank

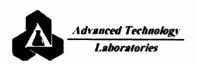
H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference



Advanced Technology Laboratories

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: HA-2

Lab Order:

115793

Collection Date: 1/12/2011 2:13:00 PM

Project:

Westlake Village GW Sampling, 313725

Matrix: GROUNDWATER

Lab ID:

115793-013A

Analyses		Result	Result MDL		PQL Qual Units		DF Date Analyzed	
PCBS E	BY GC/ECD							
		EPA 3510C		EPA	8082			
RunID:	GC5_110119A	QC Batch: 69	359		PrepDate:	1/19/2011	Analyst: BB	
Arodo	r 1016	ND	0.29	0.71	μg/L	1 '	I/20/2011 01:04 AM	
Aroclo	r 1221	ND	0.29	0.71	μg/L	1 '	/20/2011 01:04 AM	
Aroclo	r 1232	ND	0.29	0.71	μg/L	1 '	/20/2011 01:04 AM	
Aroclo	r 1242	ND	0.29	0.71	μg/L	1 '	/20/2011 01:04 AM	
Aroclo	r 1248	ND	0.29	0.71	μg/L	1 4	/20/2011 01:04 AM	
Aroclo	r 1254	ND	0.29	0.71	μg/L	1 4	/20/2011 01:04 AM	
Aroclo	r 1260	ND	0.29	0.71	μg/L	1 .	/20/2011 01:04 AM	
Aroclo	r 1262	ND	0.29	0.71	μg/L	1 .	/20/2011 01:04 AM	
Aroclo	r 1268	ND	0.29	0.71	μg/L	1 '	/20/2011 01:04 AM	
Sun	r: Decachlorobiphenyl	33.5	0	26-112	%REC	1 '	I/20/2011 01:04 AM	
Sun	r: Tetrachloro-m-xylene	75.5	0	48-130	%REC	1 '	I/20/2011 01:04 AM	

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interferencε



ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: Equipment Blank

Lab Order:

115793

Collection Date: 1/12/2011 11:51:00 AM

Project:

Westlake Village GW Sampling, 313725

Matrix: DISTILLED WATER

Lab ID:

115793-014A

Analys	ses	Result	MDL	PQL Q	ual Units	DF Da	te Analyzed
PCB\$ I	BY GC/ECD						
		EPA 3510C		EPA	8082		
RunID:	GC5_110119A	QC Batch: 69	859		PrepDate:	1/19/2011	Analyst: BB
Arock	or 1016	ND	0.20	0.50	μg/L	1 .	I/20/2011 01:34 AM
Arock	or 1221	ND	0.20	0.50	μg/L	1 .	I/20/2011 01:34 AM
Arock	or 1232	ND	0.20	0.50	μg/L	1 .	/20/2011 01:34 AM
Arock	or 1242	ND	0.20	0.50	μg/L	1	I/20/2011 01:34 AM
Arock	or 1248	ND	0.20	0.50	μg/L	1	I/20/2011 01:34 AM
Arock	or 1254	ND	0.20	0.50	μg/L	1 '	I/20/2011 01:34 AM
Arock	or 1260	ND	0.20	0.50	μg/L	1	I/20/2011 01:34 AM
Arock	or 1262	ND	0.20	0.50	μg/L	1	I/20/2011 01:34 AM
Arock	or 1268	ND	0.20	0.50	μg/L	1 .	I/20/2011 01:34 AM
Su	rr: Decachlorobiphenyl	63.4	0	26-112	%REC	1	I/20/2011 01:34 AM
Su	rr: Tetrachloro-m-xylene	78.5	0	48-130	%REC	1	//20/2011 01:34 AM

Qualifiers:

B Analyte detected in the associated Method Blank

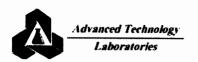
H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference



ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: DP-1 Duplicate

Lab Order:

115793

Collection Date: 1/12/2011 10:21:00 AM

Project:

Westlake Village GW Sampling, 313725

Matrix: SOIL

Lab ID:

115793-016A

Analyses	S	Result	MDL	PQL	Qual	Units	DF Da	te Analyzed
PCBS B	Y GC/ECD							
		EPA 3550B		E	PA 80	82		
RunID:	GC5_110203A	QC Batch:	70379			PrepDate:	2/3/2011	Analyst: BB
Aroclor	1016	NE	5.0	16	н	μg/Kg	1	2/3/2011 06:57 PM
Aroclor	1221	NE	5.0	16	н	μg/Kg	1	2/3/2011 06:57 PM
Aroclor	1232	NE	5.0	16	Н	μg/Kg	1	2/3/2011 06:57 PM
Aroclor	1242	N	5.0	16	н	μg/Kg	1	2/3/2011 06:57 PM
Aroclor	1248	N	5.0	16	н	μg/Kg	1	2/3/2011 06:57 PM
Aroclor	1254	N	5.0	16	н	μg/Kg	1	2/3/2011 06:57 PM
Aroclor	1260	N	5.0	16	Н	μg/Kg	1	2/3/2011 06:57 PM
Aroclor	1262	N	5.0	16	Н	μg/Kg	1	2/3/2011 06:57 PM
Aroclor	1268	N	5.0	16	н	μg/Kg	1	2/3/2011 06:57 PM
Surr:	Decachlorobiphenyl	70.:	2 0	36-124	н	%REC	1	2/3/2011 06:57 PM
Surr:	Tetrachloro-m-xvlene	68.	3 0	35-141	н	%REC	1	2/3/2011 06:57 PM

Qualifiers:

Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

D Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference



Date: 04-Feb-11

CLIENT:

Southern California Edison

Work Order:

115793

Project:

Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: MB-69842	SampType: MBLK	TestCod	de: 8082_S	Units: µg/Kg		Prep Date	e: 1/18/201	11	RunNo: 128	3947	
Client ID: PBS	Batch ID: 69842	TestN	lo: EPA 8082	EPA 3550B		Analysis Date	e: 1/19/201	11	SeqNo: 209	0162	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arodor 1016	ND	16									
Aroclor 1221	ND	16									
Aroclor 1232	ND	16									
Arodor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	14.173		16.67		85.0	36	124				
Surr: Tetrachloro-m-xylene	13.604		16.67		81.6	35	141				
Sample ID: LCS-69842	SampType: LCS	TestCod	le: 8082_S	Units: µg/Kg		Prep Date	e: 1/18/201	11	RunNo: 128	3947	
Client ID: LCSS	Batch ID: 69842	TestN	lo: EPA 8082	EPA 3550B		Analysis Date	: 1/19/201	11	SeqNo: 209	0163	
								PPD Pof Val	%RPD	RPDLimit	Qual
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	KED Kei Vai	70KPD	Krbeillik	
	Result 129.357	PQL 16	SPK value 166.7	SPK Ref Val	%REC 77.6	LowLimit 56	HighLimit 100	RED Rei Vai	76KPD	NP DEIMIC	
Aroclor 1016								NED Nei Vai	76RPD	Krbeinik	
Aroclor 1016	129.357	16	166.7	0	77.6	56	100	NFD Nei Vai	76RPD	RF DEITH	
Aroclor 1016 Aroclor 1260	129.357 165.217	16	166.7 166.7	0	77.6 99.1	56 57	100 110	Nr D Nei Val	76RPD	NF BEITH	
	129.357 165.217 14.063	16 16	166.7 166.7 16.67	0	77.6 99.1 84.4	56 57 36 35	100 110 124		RunNo: 128		
Aroclor 1016 Aroclor 1260 Surr: Decachlorobiphenyl Surr: Tetrachloro-m-xylene	129.357 165.217 14.063 14.098	16 16 TestCoo	166.7 166.7 16.67 16.67	0	77.6 99.1 84.4	56 57 36 35	100 110 124 141 e: 1/18/201	11		3947	
Aroclor 1016 Aroclor 1260 Surr: Decachlorobiphenyl Surr: Tetrachloro-m-xylene Sample ID: MB-69842MS	129.357 165.217 14.063 14.098 SampType: MS	16 16 TestCoo	166.7 166.7 16.67 16.67 de: 8082_S	0 0 Units: µg/Kg	77.6 99.1 84.4	56 57 36 35 Prep Date Analysis Date	100 110 124 141 e: 1/18/20 ²	11	RunNo: 128	3947	Qual
Aroclor 1016 Aroclor 1260 Surr: Decachlorobiphenyl Surr: Tetrachloro-m-xylene Sample ID: MB-69842MS Client ID: ZZZZZZ	129.357 165.217 14.063 14.098 SampType: MS Batch ID: 69842	16 16 TestCoo	166.7 166.7 16.67 16.67 de: 8082_S	0 0 Units: μg/Kg EPA 3550B	77.6 99.1 84.4 84.6	56 57 36 35 Prep Date Analysis Date	100 110 124 141 e: 1/18/20 ²	11	RunNo: 128 SeqNo: 209	3947 90164	Qual
Aroclor 1016 Aroclor 1260 Surr: Decachlorobiphenyl Surr: Tetrachloro-m-xylene Sample ID: MB-69842MS Client ID: ZZZZZZ Analyte	129.357 165.217 14.063 14.098 SampType: MS Batch ID: 69842 Result	16 16 TestCoo TestN	166.7 166.7 16.67 16.67 de: 8082_S do: EPA 8082 SPK value	0 0 Units: μg/Kg EPA 3550B SPK Ref Val	77.6 99.1 84.4 84.6	56 57 36 35 Prep Date Analysis Date LowLimit	100 110 124 141 e: 1/18/201 e: 1/19/201 HighLimit	11	RunNo: 128 SeqNo: 209	3947 90164	Qual

Qualifiers:

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

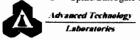
Value above quantitation range

Not Detected at the Reporting Limit

Spike/Surrogate outside of limits due to matrix interference DO Surrogate Diluted Out

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits Calculations are based on raw values



Southern California Edison

Work Order:

115793

Project:

Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: MB-69842MS	SampType: MS		de: 8082_S	Units: µg/Kg		•	te: 1/18/20		RunNo: 128		
Client ID: ZZZZZZ	Batch ID: 69842	TestN	lo: EPA 8082	EPA 3550B		Analysis Da	te: 1/19/20	011	SeqNo: 2090164		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	12.886		16.67		77.3	35	141				
Sample ID: MB-69842MSD	SampType: MSD	TestCoo	le: 8082_S	Units: µg/Kg	***************************************	Prep Date: 1/18/2011			RunNo: 128947		
Client ID: ZZZZZZ	Batch ID: 69842	TestN	lo: EPA 8082	EPA 3550B		Analysis Da	te: 1/19/2 0)11	SeqNo: 2090165		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	125.977	16	166.7	0	75.6	51	108	122.1	3.09	20	
Aroclor 1260	143.921	16	166.7	0	86.4	53	120	142.0	1.32	20	
Surr: Decachlorobiphenyl	14.082		16.67		84.5	36	124		0	20	
Surr: Tetrachloro-m-xylene	13.517		16.67		81.1	35	141		0	0	

Qualifiers:

B Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

E Value above quantitation range

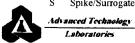
ND Not Detected at the Reporting Limit

Spike/Surrogate outside of limits due to matrix interference DO

DO Surrogate Diluted Out

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits Calculations are based on raw values



Southern California Edison

Work Order:

115793

Project:

Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

					-
Sample ID: MB-70379	SampType: MBLK	TestCode: 8082_S	Units: µg/Kg	Prep Date: 2/3/2011 RunNo: 129550	
Client ID: PBS	Batch ID: 70379	TestNo: EPA 8082	EPA 3550B	Analysis Date: 2/3/2011 SeqNo: 2102288	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit	Qual
Aroclor 1016	ND	16			
Aroclor 1221	ND	16			
Aroclor 1232	ND	16			
Aroclor 1242	ND	16			
Aroclor 1248	ND	16			
Aroclor 1254	ND	16			
Aroclor 1260	ND	16			
Aroclor 1262	ND	16			
Aroclor 1268	ND	16			
Surr: Decachlorobiphenyl	9.500	16.67		57.0 36 124	
Surr: Tetrachloro-m-xylene	11.596	16.67		69.6 35 141	
Sample ID: LCSA-70379	SampType: LCS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 2/3/2011 RunNo: 129550	
Client ID: LCSS	Batch ID: 70379	TestNo: EPA 8082	EPA 3550B	Analysis Date: 2/3/2011 SeqNo: 2102289	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit	Qual
Aroclor 1016	110.185	16 166.7	0	66.1 56 100	
Aroclor 1260	119.058	16 166.7	0	71.4 57 110	
Surr: Decachlorobiphenyl	10.082	16.67		60.5 36 124	
Surr: Tetrachloro-m-xylene	12.048	16.67		72.3 35 141	
Sample ID: 115793-016AMSA	SampType: MS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 2/3/2011 RunNo: 129550	
Client ID: DP-1 Duplicate	Batch ID: 70379	TestNo: EPA 8082	EPA 3550B	Analysis Date: 2/3/2011 SeqNo: 2102290	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit	Qual
Aroclor 1016	129.861	16 166.7	0	77.9 51 108	Н
Aroclor 1260	144.220	16 166.7	0	86.5 53 120	н
Surr: Decachlorobiphenyl	12.261	16.67		73.6 36 124	н

Qualifiers:

B Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

E Value above quantitation range

16.67

D Not Detected at the Reporting Limit

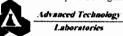
Spike/Surrogate outside of limits due to matrix interference DO Surrogate Diluted Out

13.593

H Holding times for preparation or analysis exceeded

н

R RPD outside accepted recovery limits Calculations are based on raw values



Surr: Tetrachloro-m-xylene

81.5

35

141

Southern California Edison

Work Order:

115793

Project:

Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: 115793-016AMSDA Client ID: DP-1 Duplicate	SampType: MSD Batch ID: 70379		de: 8082_S No: EPA 8082	Units: µg/Kg EPA 3550B		Prep Dat Analysis Dat	e: 2/3/201 e: 2/3/201	RunNo: 129 SeqNo: 210			
Analyte	Result	PQL SPK value		SPK Ref Val	%REC	LowLimit HighLimit		RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	127.124	16	166.7	0	76.3	51	108	129.9	2.13	20	Н
Aroclor 1260	141.367	16	166.7	0	84.8	53	120	144.2	2.00	20	Н
Surr: Decachlorobiphenyl	12.288		16.67		73.7	36	124		0	20	Н
Surr: Tetrachloro-m-xylene	13.081		16.67		78.5	35	141		0	0	Н

Qualifiers:

Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

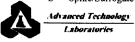
Value above quantitation range

Not Detected at the Reporting Limit

Spike/Surrogate outside of limits due to matrix interference DO Surrogate Diluted Out

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits Calculations are based on raw values



Southern California Edison

Work Order:

115793

Project:

Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: MB-69859					Prep Date: 1/19/2	011	RunNo: 12	8977	
Client ID: PBW	Batch ID: 69859	TestNo: EPA 8082	EPA 3510C		Analysis Date: 1/19/2	011	SeqNo: 20	90672	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50							
Aroclor 1221	ND	0.50							
Aroclor 1232	ND	0.50							
Aroclor 1242	ND	0.50							
Aroclor 1248	ND	0.50							
Aroclor 1254	ND	0.50							
Aroclor 1260	ND	0.50							
Aroclor 1262	ND	0.50							
Aroclor 1268	ND	0.50							
Surr: Decachlorobiphenyl	0.395	0.5000		78.9	26 112				
Surr: Tetrachloro-m-xylene	0.438	0.5000		87.6	48 130				
Sample ID: LCS-69859	SampType: LCS	TestCode: 8082_W	Units: µg/L		Prep Date: 1/19/20	011	RunNo: 12	3977	
Client ID: LCSW	Batch ID: 69859	TestNo: EPA 8082	EPA 3510C		Analysis Date: 1/19/20	011	SeqNo: 20:	90673	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.939	0.50 5.000	0	78.8	54 97				
Aroclor 1260	4.217	0.50 5.000	0	84.3	56 103				
Surr: Decachlorobiphenyl	0.397	0.5000		79.4	26 112				
Surr: Tetrachloro-m-xylene	0.445	0.5000		88.9	48 130				
Sample ID: MB-69859-MS	SampType: MS	TestCode: 8082_W	Units: µg/L		Prep Date: 1/19/20	011	RunNo: 12	8977	·
Client ID: ZZZZZZ	Batch ID: 69859	TestNo: EPA 8082	EPA 3510C		Analysis Date: 1/19/20	011	SeqNo: 20	90674	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.878	0.50 5.000	0	77.6	54 97				
Arodor 1260	4.069	0.50 5.000	0	81.4	56 103				
Surr: Decachlorobiphenyl	0.398	0.5000		79.5	26 112				
Surr: Tetrachloro-m-xylene	0.442	0.5000		88.3	48 130				
Qualifiana									



Analyte detected in the associated Method Blank В

Value above quantitation range Analyte detected below quantitation limits

Not Detected at the Reporting Limit

S Spike/Surrogate outside of limits due to matrix interference DO Surrogate Diluted Out

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits Calculations are based on raw values



Southern California Edison

Work Order:

115793

Project:

Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

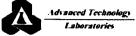
TestCode: 8082_W

Sample ID: MB-69859-MSD	SampType: MSD	TestCod	de: 8082_W	Units: µg/L		Prep Date: 1/19/2011				RunNo: 128977		
Client ID: ZZZZZZ	Batch ID: 69859	Test	No: EPA 8082	EPA 3510C		Analysis Date: 1/19/2011				SeqNo: 2090675		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Arodor 1016	3.943	0.50	5.000	0	78.9	54	97	3.878	1.68	20		
Arodor 1260	4.153	0.50	5.000	0	83.1	56	103	4.069	2.05	20		
Surr: Decachlorobiphenyl	0.409		0.5000		81.7	26	112		0	0		
Surr: Tetrachloro-m-xylene	0.453		0.5000		90.6	48	130		0	0		

Qualifiers:

- Analyte detected in the associated Method Blank
- Analyte detected below quantitation limits
- Ε Value above quantitation range
- Not Detected at the Reporting Limit
- Spike/Surrogate outside of limits due to matrix interference DO
- Surrogate Diluted Out

- Holding times for preparation or analysis exceeded
- RPD outside accepted recovery limits Calculations are based on raw values



CHAIN OF CUSTODY RECORD FOR LABORATORY USE ONLY: Method of Transport P.O.#: Sample Condition Upon Receipt ADVANCED _ TECHNOLOGY M ATL Client 1. CHILLED 5. L Y N 3 4. CUSTODY SEAL ☐ OnTrac LABORATORIES ☐ FedEx Logged By: 2. HEADSPACE (VOA) Y N 5. # OF SPLS MATCH COC Y N GSO 3275 Walnut Ave., Signal Hill, CA 90755 NOTE: Please include your Quote No. to ensure Other: 3. CONTAINER INTACT YZ N . 6. PRESERVED YIN Tel: (562) 989-4045 • Fax: (562) 989-4040 proper pricing of your project. Client: Southern California Edison TEL: (909) 394-8947 Address: 300 N. Lone Hill Avenue CA Zip Code 91773 FAX: (909) 394-8610 City San Dimas State Project Name: Project #: Relinquished by: (sign Date: Relinquished by: (Separature and Printed 1300 Date: Time: Relinquished by: (Signature and Printed Name) Date Received by: (Signature and Printed Name) I hereby authorize ATL to perform the work Send Report To: Bill To: Special Instructions/Comments indicated below: Attn: Attn: Project Mar /Submitter: SAME AS ABOVE Co: SAME AS ABOVE Addr: City: State: Zip: City QA/QC Circle or Add Semple/Records - Archival & Disposal SPECIFY APPROPRIATE MATRIX Z O Analysis(es) Unless otherwise requested by client, all samples will be disposed 45 days after RTNE Requested receipt and records will be disposed 1 year after submittal of final report. CT Storage Fees (applies when storage is requested): Legal · Sample : \$2.00 / sample / mo (after 45 days) ERV SWRCB · Records: \$1.00 / ATL workorder / mo (after 1 year) Logcode Container(s) LAB USE ONLY: S Sample Description OTHER Batch #: 8 E # Type Date | Time TAT REMARKS Lab No. Sample I.D. / Location 115793--12-11 10:21 χ 10:48 Ĵ X li:29 X 13:24 E lo:58 DP-1 Duplicate 11:03 TAT: □A= Overnight

· TAT starts 8 a.m. following day if

samples received after 5 p.m.

Critical

2 Workdays

Emergency

≤ 24 hrs

Container Types: T=Tube V=VOA L=Liter

Next workday

Urgent

P=Pint J=Jar B=Tedlar G=Glass P=Plastic

3 Workdays

Routine

7 Workdays

M=Metal

□ **E**=

Preservatives:

H=Hcl N=HNO3 S=H2SO4 C=4°C

Z=Zn(AC)2 O=NaOH T=Na2S2O3

Pg 2 of 2

CHAIN OF CUSTODY RECORD

	4			<u> </u>						FOR LAB	ORATORY U	SE ONLY:		
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AL	• '							Client	🗂 ATL	1. CHILLED	V!"	NE 4 CI	USTODY SEAL	YON
	LABORAT	ORIES	Logged By:			Date:		FedEx	OnTrac		CE (VOA) Y			
321	75 Walnut Ave., Signa	al Hill, CA 90755	NOTE: Please incl	ude your	Quote N	lo. to ensure	1	GSO	Worlds Manufacult 1999	1				
Te	el: (562) 989-4045 • Fa	r: (562) 989-4040	proper pricing of yo	our projec	ct.		i	J Other.	and the second	3. CONTAIN	ERINTACT Y	N _ 6. PI	RESERVED	YIN
•	ent: Southern Cal					s: 300 N. Lo	one Hill Av	enue	The state of the s			TEL: (9	09) 394-894	7
Attr	: David	Van Hor	-se~		City	San Dimas			State CA	Zip C	ode 91773	FAX: (9	09) 394-861	0
Proj	ject Name:	by Villago	Project #:	3	137:	25 Sa	mpler:	(Printed Name)	Carl	حاي	Some		\mathcal{A}	
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	eby authorize ATL to performated below:	n the work Se	end Report To:			Bill To:			Spec	ial Instructions/	Comments:			,
	ject Mgr /Submitter:	1	tn:			Attn:			**	1) 12-4	has yes	4 100	، هنده ب	1
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	less otherwise requeste eipt and records will be				r	Analysis(es) Requested	////	\	/ <u> </u>	// / 	7/3/7	111	7 0	
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E	Batch #:	 		T		\Z\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	8/8/8		9////				<u> </u>	OTTIER
М	Lab No.	<u> </u>	.D. / Location	Date	Time	\\$\\\$\\\\$\\	<u>\$\\\$\\\$\\</u>	8/2/2/	/ / /8	<u>/%/%/%/%/</u>	8/3/6/5/	O TAT	# Type a	REMARKS
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	AT starts 8 a.m. followin		A= Overnight ≤ 24 hrs	B= Em	ergency t workd	av ⊐C=	Critical 2 Workday	s 🗆 D=	Urgent 3 Workday	s □ E= 7	loutine Workdays	Preservati		1₂SO₄ C=4°C
8	amples received after 5	p.m. Contain	er Types: T=Tube	The second second	A L=Li				G=Glass					T=Na ₂ S ₂ O ₃

Diane Galvan

From:

David.Vanhorsen@sce.com

Sent:

Thursday, February 03, 2011 11:48 AM

To: Subject: Diane Galvan RE: J-Flag Results

DP-1 Duplicate...

dvh
David Van Horsen, RG, CEG
Technical Specialist 4
Engineering & Technical Services
Power Production Department
Pax 47623
OFC-909-394-8623
Cell-818-469-6943

From. To: "Diane Galvan" < diane@atlglobal.com>

Date 02

<David.Vanhorsen@sce.com>
02/03/2011 11:43 AM
 RE: J-Flag Results

Hi David,

OK, I will generate a new report once the DUP analysis has been completed tomorrow. How do you want the sample ID to be listed for the duplicate run? Please advise.

Thanks,

Diane

From: <u>David.Vanhorsen@sce.com</u> [<u>mailto:David.Vanhorsen@sce.com</u>]

Sent: Thursday, February 03, 2011 11:37 AM

To: Diane Galvan

Subject: Re: J-Flag Results

Diane:

OK.. I think this looks good.

- 1. Please analyze remaining soil from sample DP-1 as the duplicate sample. This sample should be on a 24 hour rush basis.
- 2. In the final lab report (to contain the requested soil duplicate test) please include a Case Narrative sheet with the following:

"Higher detection limits were required for groundwater sample from DP-4 due to insufficient sample quantity"

"ND" is defined as less than MDL.

Thank you for the help working through this.

Regards,

dvh

David Van Horsen, RG, CEG Technical Specialist 4 Engineering & Technical Services Power Production Department Pax 47623 OFC-909-394-8623 Cell-818-469-6943 SCE PCB Spill: NRC # 951155; Cal=EMA # 10-4769 (07/18/10) August 30, 2011 Page 8

ATTACHMENT # 4

SCE Site Assessment Report and Soil Excavation Plan dated June 27, 2011



July 21, 2011

Peter J. Raftery, PG, CHG.
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Certified Mail Receipt #

7010 0780 0000 5787 3782

Subject:

TRANSMITTAL OF SITE ASSESSMENT REPORT & SOIL EXCAVATION PLAN - SOUTHERN CALIFORNIA EDISON BURIED RESIDENTIAL TRANSFORMER (STRUCTURE No. 5024599), 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE, CALIFORNIA (SCP NO. 1254, SITE ID. NO. 2040385)

Dear Mr. Raftery:

Enclosed is the signed and stamped original copy of the subject Technical Report which includes a soil excavation plan that is associated with the approval of the proposed additional assessment by the Regional Board on April 13, 2011. The document is also being uploaded electronically via Geotracker.

If you have any questions and/or need additional information, please feel free to call me at (626) 462-8740.

Mary Zepeda

Best Regard

Project Manager

Operations Support Business Unit

Water/Waste and Environmental Engineering

Technical Services and Program Management Section

Corporate Environment, Health & Safety Division

Southern California Edison

Cc:

Josh Nichols

Enclosure

GEOTECH GROUP

Southern California Edison



An EDISON INTERNATIONAL Company

SITE ASSESSMENT REPORT & SOIL EXCAVATION PLAN
NEAR THE INTERSECTION OF TRIUNFO CANYON ROAD
AND CAPSTAN CIRCLE
WESTLAKE VILLAGE, CALIFORNIA
SCE STRUCTURE #5024599
SITE CLEANUP CASE NUMBER SCP #1254

Prepared By: Southern California Edison Company Engineering & Technical Services Dam Safety & Geotechnical Group

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1.0 INTRODUCTION

This environmental site assessment was performed by the Southern California Edison (SCE) Geotechnical Group on behalf of SCE's Corporate Environmental, Health and Safety Department. The Project Site is located near the intersection of Capstan Circle and Triunfo Canyon Road in Westlake Village, California (Figure 1). This report documents initial leak detection, soil excavation and sampling activities conducted July/August 2010, and the recent site investigative work conducted January 12 and May 26, 2011. The purpose of this site assessment is to evaluate the nature and extent of migration of the remaining PCB-containing mineral oil spill originally identified in July 2010.

2.0 PROJECT DESCRIPTION

On July 18, 2010 SCE discovered that the BURD transformer at the site had released an estimated 30 gallons of mineral oil. Initial excavation activities obtained 5 soil samples from the bottom of a 3' x 3 ½' by 7-foot deep excavation. One sample of mineral oil was collected from the BURD and tested for Polychlorinated Biphenyls (PCB) content. The analytical laboratory results for the mineral oil sample indicated a PCB concentration of 166 parts per million (ppm). The analytical laboratory results for the July 18, 2010 soil samples measured concentrations of PCBs ranging from 0.19 ppm to 1.5 ppm. These data are summarized on Table 1.

After further excavation on August 9, 2010, 4 additional soil samples from the 8 foot depth, and 1 water sample from the bottom of the 9-foot deep excavation were obtained. PCB concentrations in soil ranged from less than 0.02 ppm to 6.4 ppm. The water sample showed a PCB concentration of 1,900 micrograms/liter (µg/l); however standard groundwater sampling protocol, was not applied during the sampling and entrained sediment and/or absence of purging may have influenced the result. A summary of detections are also shown on Table 1. The complete laboratory reports and field sketches of the excavation and sample locations are included in Appendix A.

Table 1 – Summai	y of PCB & TPH Detections From Excavation
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Sample	Sample	Sample	Sample	TEPH Result	PCB Result
Date	Number	Depth	Location	(mg/kg or mg/l)	(mg/kg or ug/L)
7/18/10	1	3 ft	NW Wall	12,000 mg/kg	0.70 mg/kg
7/18/10	2	3 ft	SW Wall	5,600 mg/kg	0.19 mg/kg
7/18/10	3	3 ft	NE Wali	12,000 mg/kg	1.5 mg/kg
7/18/10	4	3 ft	SE Wall	7,900 mg/kg	0.68 mg/kg
7/18/10	5	3 ft	Center	2,200 mg/kg	0.44 mg/kg
8/9/10	1	8 ft	West Wall	<1.0 mg/kg	<0.02 mg/kg
8/9/10	2	8 ft	North Wall	7,300 mg/kg	3.7 mg/kg
8/9/10	3	8 ft	East Wall	25,000 mg/kg	6.4 mg/kg
8/9/2010	4	8 ft	South Wall	260 mg/kg	0.34 mg/kg
8/9/2010	5	9 ft	Center (Water)	2,800 mg/L	1,900 µg/L

Based on these analytical results, the Los Angeles Regional Water Quality Control Board (LARWQCB) requested additional sampling of groundwater and soil to determine the extent of PCB contamination. A work plan for this site assessment was provided to the LARWQCB on October 22, 2010 via the Geotracker Database and SCE received their approval of the proposed work by letter dated November 3, 2010. In a subsequent December 20, 2010 letter, the LARWQCB granted an extension to SCE for submittal of the technical report documenting the results of the proposed assessment work on or before March 1, 2011.

The scope of the January 2011 assessment included the following tasks:

- Completion of 4 direct push borings to an approximate depth of 12 feet bgs.
- Completion of 2 hand auger borings to an approximate depth of 10 feet bgs.
- Collection of 1 soil sample from each location from the soil-water interface.
- Collection of 1 groundwater sample from each location.
- Analytical testing of the collected soil and groundwater samples.
- Preparation and submittal to the LARWQCB of a site assessment report.

The January 2011 investigation concluded soils beneath the site are variable and are fill soils used for subdivision development within the excavated river. Below these fill soils, more uniform sand and gravel was observed. Groundwater was encountered at depths of 6.2 to 7.5 feet bgs.

PCBs were not detected in any soil or groundwater sample collected during the investigation, indicating the mineral oil spill was limited in extent and the post-spill excavation successfully removed the majority of the mineral oil. Groundwater samples showed no adverse impacts. The additional sampling described in this report was desired to facilitate possible future excavation planning.

3.0 SCOPE OF ASSESSMENT

The scope of this site additional assessment included the following tasks:

- Completion of 4 borings to an approximate depth of 12 feet bgs.
- Collection of 1 soil sample from each location from the soil-water interface.
- Collection of 1 groundwater sample from two borings, one from the north and west sides of the former excavation outline.
- Analytical testing of the collected soil and groundwater samples.
- Preparation and submittal of a site assessment report.

Figure 2 provides the general layout of the site and locations of the completed borings. Appendix B includes a copy of the surveyed boring locations with the

stamp of a California Licensed Surveyor. Appendix C presents the Los Angeles County Groundwater Sampling Permit.

4.0 ASSESSMENT PROCEDURES

4.1 Field Exploration

On May 26, 2011 a SCE geologist supervised the drilling and sampling of the four soil borings at the general locations shown on Figure 2. Borings DP-5 through DP-7 were advanced by a combination of hand auger and portable direct-push machine to an approximate depth of 11 feet below ground surface (bgs).

Prior to drilling, SCE notified Dig Alert of planned work and obtained utility clearance from Dig Alert (Dig Alert Ticket # A11440190). Because the work was being conducted adjacent to energized equipment an SCE electrician was also onsite.

Four sampling locations were proposed at locations north and east of the BURD. However, because of the abundance of buried utilities identified by USA to exist between the BURD and the AT&T/Cable utility boxes, the boring originally planned for that area was not attempted. However, the request by the RWQCB to obtain groundwater samples from the north and east sides of the former excavation were met with DP-6 and DP-7. Because of the presence of buried utilities, it was decided that the first 6 feet of each of the three borings would be advanced by hand auger. Once the location was cleared, the direct push machine was used for sample retreiveal and temporary well point installation. Each boring advanced to total depths of 11 feet bgs.

Soil samples were obtained with 1-inch diameter clear plastic liners supplied with the direct push equipment. All boreholes were logged and sampled for soil lithologic description. No indications of contamination such as odors or staining were observed. Samples were recorded on the boring logs in accordance with the Unified Soil Classification System (USCS) which included sample depths, soil type, grain size, color, density, and moisture content. Copies of all investigation soil boring logs are provided in Appendix D.

After advancing the boring to the target depth, a temporary well point constructed of 1-inch schedule 40 PVC casing with a 5 foot long well screen was placed in the borehole. One groundwater grab sample was collected from the temporary well point with a peristaltic pump. Groundwater samples were collected from DP-6 and DP-7. All drilling and sampling operations were supervised by a California Registered Geologist. At the completion of groundwater sampling, the temporary well point was removed and the boring backfilled by using a 95% Portland cement/5% bentonite slurry. Soil cuttings were placed in sealed and labeled DOT-approved 55-gallon drums and transported to SCE's Thousand Oaks Service Center for temporary storage pending receipt of the analytical testing.

Prior to sample collection, all sampling equipment was decontaminated. Soil sampling tools and sample barrels were cleaned between each use. Manual cleaning procedures included a three-stage process using a non-phosphate detergent solution in water, followed by rinsing with potable water and distilled water. Decontamination water and purged groundwater was contained by a labeled and sealed DOT-approved 55-gallon drum and transported along with the soil drums.

4.2 Soil Sample Preparation

Headspace field screening was conducted by placing a small portion of a soil sample into a plastic bag and inserting the tip of a photoionization detector (PID) into the bag to obtain a reading. Headspace readings were reported in parts per million (ppm) and are noted on the boring logs.

Each soil sample was retained in plastic liners with sealed Teflon tape and plastic end caps. Sample identification numbers and other pertinent data were recorded on the chain-of-custody form and placed in an ice chest for storage and transport to Advanced Technology Laboratories of Signal Hill, California, a state-certified hazardous waste testing laboratory. Sample handling, transport, and delivery were performed using the chain-of-custody documentation procedures outlined in the project SAP. Copies of the custody forms are included in Appendix E.

4.3 Analytical Testing

A total of 3 soil samples and 2 groundwater samples were analyzed for PCBs according to EPA Test Methods 3550B and 8082 (soil), and EPA Test Methods 3510C and 8082 (groundwater). These samples were also analyzed for Total Petroleum Hydrocarbons (TPH) with carbon-chain identification according to EPA Test Method 8015 modified. In addition, one equipment rinseate blank and one soil and one groundwater duplicate were analyzed by the same methods. The Advanced Technology Laboratories analytical reports are presented in Appendix E. Copies of the previous sampling from January 2011 are also presented in Appendix E.

5.0 RESULTS OF ASSESSMENT

5.1 Site Geology

The project site is located within an alluvial valley in the Santa Monica Mountains. According to the Dibblee Geologic Map of the Thousand Oaks Quadrangle (1993) the site is on Quaternary alluvial sand and gravel. The residential subdivision appears to have been created by excavating the alluvial gravels along Triunfo Creek

to the underlying bedrock to create a lake. It is thought that artificial fill was placed on the excavated surfaces for the building pads.

The boring logs show the area to be variably underlain by gravelly to silty sand, silty sand or clayey sand, probably representing the fill soils required for subdivision development. The two deeper borings, DP-1 and DP-4 encountered more uniform sand with gravel that is thought to represent native soils. These materials were observed by the direct push equipment to be much harder to penetrate than the overlying materials.

5.2 Site Hydrogeology

This site is unique because the enlarging of Triunfo Creek created a man-made recreational lake. Water in this lake is not used for drinking water purposes. Based on the excavation activities described above the water level at the project site was observed to be approximately 9 feet (bgs). This shallow depth is probably representative of localized seepage from the surrounding recreational lake. Based on surface topography, the direction of groundwater movement is inferred to be to the southeast. In the borings, static groundwater measurements ranged from 6.2 to 6.7 feet bgs. The resultant groundwater elevations are shown on Figure 2.

5.3 Analytical Testing Results for Soil

Table 2 presents a summary of the laboratory data. PCBs were not detected at any location at the MDL of <0.02 mg/kg. No TPH was detected in any sample. Table 2 below summarizes the analytical report. Table 2 shows "TPH" and is meant to include both reported diesel range organics (DRO) and carbon-chain identification. Identification of ranges for the different major groups of petroleum hydrocarbons provides additional information about the nature of any total petroleum hydrocarbon detection. For this investigation the following range and types of hydrocarbons were reported.

C4-C12 – Gasoline Range C8-C10 – Lighter than Diesel C10-C18, C18-C28 – Diesel Range C18-C36 – Motor Oil Range C36-C40 – Heavier than Motor Oil C8-C40 – Total Petroleum Hydrocarbons

Table 2 – Summary of Analytical Testing of Soil (May 26, 2011)

Boring Number	Sample Depth	TPH Result (mg/kg)	PCB Result (mg/kg)
DP-5	7 ft	ND	ND
DP-6	7 ft	ND	ND
DP-7	7 ft	ND	ND
Duplicate (DP-7)	8 ft	ND	ND

5.4 Analytical Testing Results for Groundwater

Laboratory testing of the groundwater samples collected from each location did not detect the presence of PCBs at the MDL of <0.02 μ g/L. TPH was not detected in either sample. Table 3 presents a summary of the laboratory data.

Table 3 – Summary of Analytical Testing of Groundwater (May 26, 2011)

Boring Number	Sample Depth	TPH Result (ug/L)	PCB Result (ug/L)
DP-6	11 ft	ND	ND
DP-7	11 ft	ND	ND
Duplicate (DP-7)		ND	ND
Equipment Rinseate		ND	ND

6.0 CONCLUSIONS

Based on the information obtained during this site investigative work, the following conclusions are made:

- Soils beneath the site are variable and probably represent the fill soils used for subdivision development within the excavated river. Below these fill soils, more uniform sand and gravel is present.
- Groundwater is present beneath the site at a depth range of 6.2 to 6.7 feet bgs. Due to the close spacing of the measurements and variability of the fill soils a definitive groundwater flow direction is not apparent.
- No Petroleum Hydrocarbons were detected in any soil or groundwater sample.

 PCBs were not detected in any soil or groundwater sample collected during either round of investigative sampling indicating the mineral oil spill was limited in extent and the post-spill excavation successfully removed the majority of the impacted soils. Groundwater samples showed no adverse impacts.

7.0 RECOMMENDATIONS

Based on the residual PCB concentrations detected during the original excavation activities, the following recommendations are made:

- Perform additional soil excavation on the north and east sides of the existing electrical structure. This work would consist of approximately 3 additional feet of soil beyond the previous excavation unless there is the risk for adverse structural impact to the surrounding sidewalk, driveway, adjacent buried utilities, or mature trees.
- Collect confirmation soil samples for the north and east sidewalls at the same elevations as the soil borings and original excavation samples and analyze for the presence of TPH and PCB.

8.0 PROFESSIONAL DECLARATION

This document was prepared under the direction and supervision of David M. Van Horsen, a California Professional Geologist with expertise in contaminant assessment. His signature and stamp appear below:

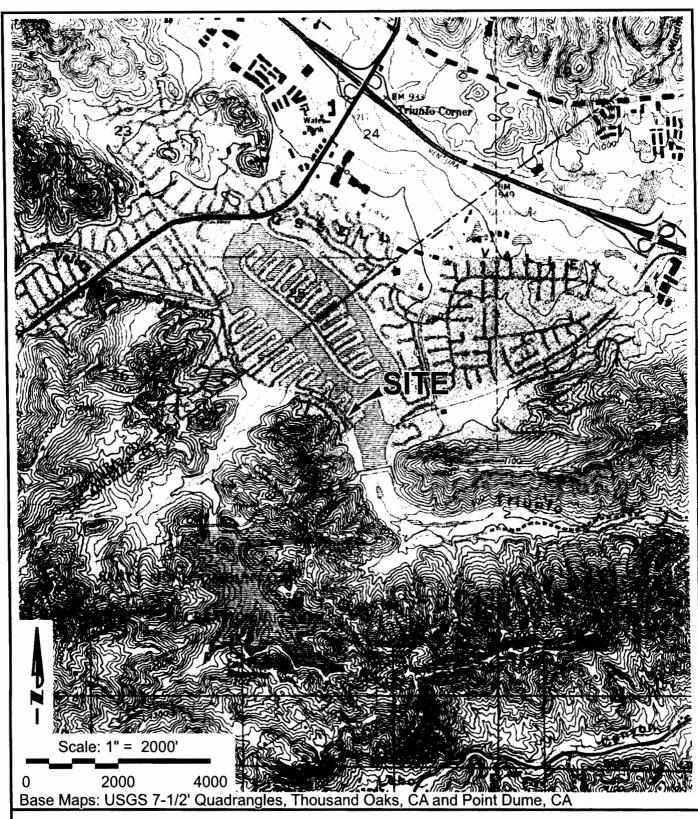
David M. Van Horsen

CA Certified Engineering Geologist #2418

DAVID N.
M.
AN HORSEI
No. 2418
CERTIFIED

June 27, 2011

FIGURES

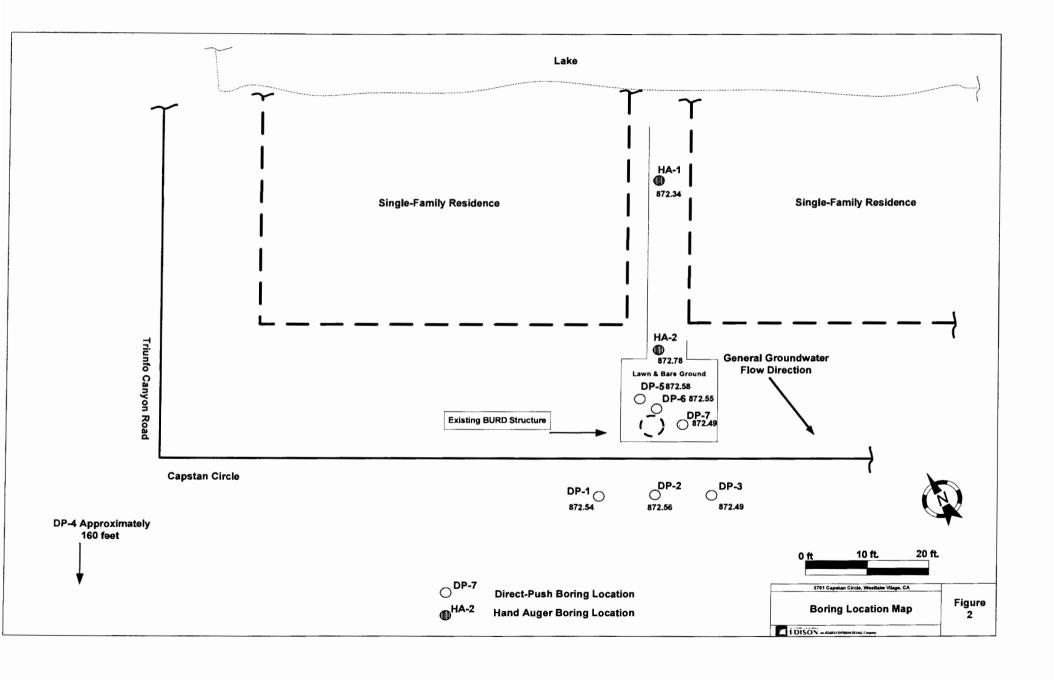


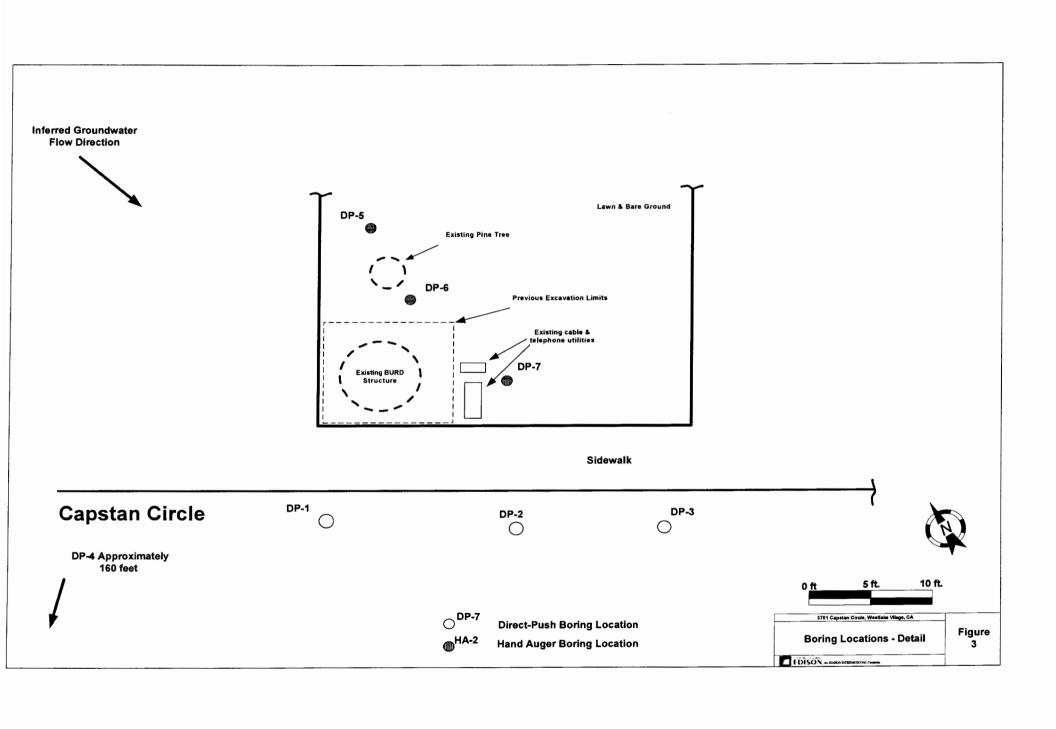


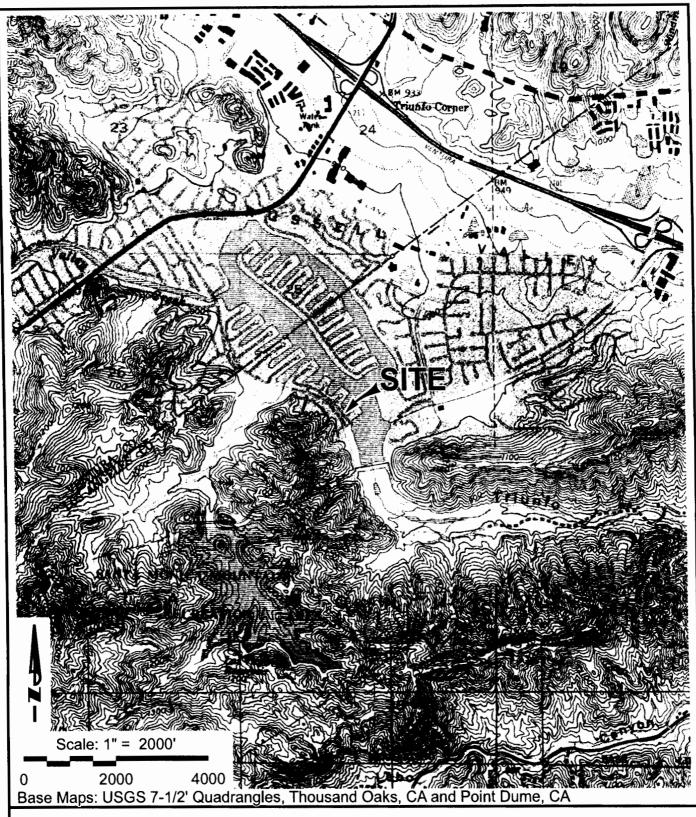
Engineering And Technical Services GEOTECHNICAL GROUP

Figure 1 Site Location

3701 Capstan Circle Westlake Villiage, CA





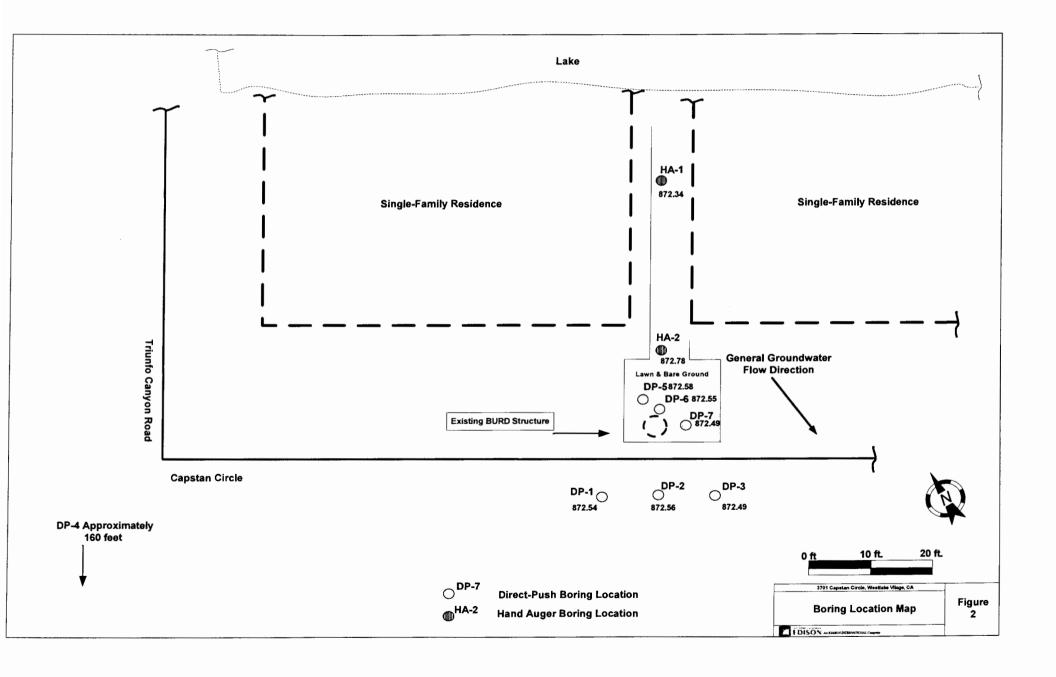


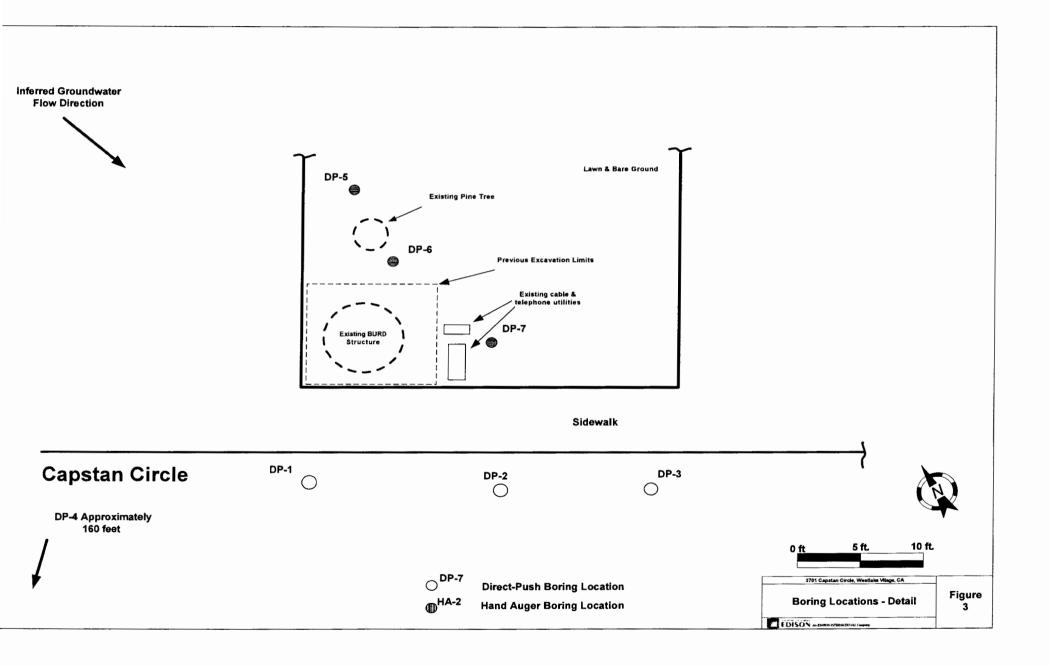


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Figure 1 Site Location

3701 Capstan Circle Westlake Villiage, CA





APPENDIX A

Analytical Testing Results From 2010 Excavation and Sampling Activities

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Clearup Day 2 "Side view of Excavation" (8-9-10) Sidewalk 944 (b)hft:



Case Narrative

Date: August 12, 2010

Client: Southern California Edison(SCE)

CAS Lab # 101976-05

Case Narrative: On August 8, 2009 Capco has received 5 samples from SCE to be analyzed for PCB's and TEPH. The samples were collected by the Client. The lab number assigned by Capco for this project was 101976. Sample "101976-05", a water sample, was prepared according to the client instructions, that is: the sample was filtered before the extraction was performed. The sample was than analyzed in accordance to EPA Methods 8082(for PCB's) and 8015m (for TEPH). The result was reported to the client along with the rest of the results.

All the data and information about this particular analysis is in the custody of Capco Analytical Services, Inc., as well as our customer, SCE.

Alin Repede, MS

Director Analytical Operations Capco Analytical Services, Inc.



Prepared for: Southern California Edison

10060 Telegraph Road Ventura, CA 93004 Attn: Andy Melendez

Report Date: August 18, 2010 | Laboratory Number: 102006

Project Name: 3701 Capstan Cir. Westlake Village

Project No: VC00156

Purchase Order No: 900160571

Sampled by: Client

On August 10, 2010, Capco Analytical Services, Inc. (CAS), received five (5) samples to be analyzed. The samples were identified and assigned the laboratory ID numbers listed below:

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	#3 #4										1	01	97	5-(6-(5-(4				一人の おりの かん

By my signature below, I certify that the results contained in this laboratory report comply with applicable standards for certification by the California Department of Public Health's Environmental Laboratories Accreditation Program (ELAP), both technically and for completeness, and that, based on my inquiry of the person or persons directly responsible for performing the analyses, the information submitted is, to the best of my knowledge and belief true, accurate, and complete.

Alin E. Repedé, MS

Director - Analytical Operations

If you have any further questions or concerns, please contact me at your convenience.

This report consists of 14 pages excluding the cover letter and the Chain of Custody.

This report shall not be reproduced except in full without the written approval of CAS. The test results reported represent only the item being tested and may not represent the entire material from which the sample was taken.



Environmental and Analytical Services-Since 1994

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Sample Matrix: 8011	

POLYCHLORINATED BIPHENYLS (PCBs) EPA Method 8082

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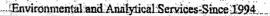
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MDL: Method Detection Limit

POL: Practical Quantitation Limit

ייטיי Sample Analysis Result > MDL, but < PQL





Client: 800THERN CALIFORNIA EDISON Date Sampled: 08/09/10
Sample ID: #2 Date Extracted: 08/10/10
CAS LAB NO: 101976-02 Date Analyzed: 08/10/10
Sample Matrix: 8011 Analyst: ARR

POLYCHLORINATED BIPHENYLS (PCBs) EPA Method 8082

		Results	Dily	tion MDL	PQL
Compound		ng/Kg	Fact	or mg/K	g mg/Kg
Aroclor-1016		<0.02		0.0	0.10
Aroclor-1221	ASS 有机图 500	<0.02		1 0 . 0;	2 0.10
Aroclor-1232		<0.02		0.0	2 0.10
Aroclor-1242		<0.02		σ.ο.	2 0.10
Aroclor-1248		<0.02		0.0	2 0.10
Aroclor-1254		<0.02		1 0.0	2 0.10
Aroclor-1260		3,7		1 0.0	2 0.10
Aroclor-1262		<0.02	립성시민리	0.0	2 0.10

STIPPOGNER DECOURDY

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MDD: Method Detection Limit

PQL: Practical Quantitation Limit



Environmental and Analytical Services-Since 1994

					45		<u> </u>
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	Sample ID:	#3			Date	Extracted:	08/10/10
	CAS LAB NO:	101976-	03		Date	Analyzed:	08/10/10
٠.	Sample Matr	ix: Boil		s. sa Ar	Ana	lyst :	AER

POLYCHLORINATED BIPHENYLS (PCBs) EPA Method 8082

Cor	mpound							Resul			lution stor	MDL mg/kg	PQL mg/Kg	
Ar	oclor-1	016			$\mathbb{Z}^{p^{n}_{i}}$:	<0.0	12		1	0.02	0.10	
Ar	oclor-1	221		71		The C		<0.0)2		1 : : :	0.02	0.10	
AI	oclor-1	232	v artiger			1		<0.0	2		1	0.02	0.10	
Ar	oclor-1	242						<0.0	2		1	0.02	0.10	
Ar	oclor-1	248				1874E +	1.75	<0.0	2	电子扩散	.1	0.02	0.10	
Ar	oclor-1	254				14.13		<0.0)2		1	0.02	0.10	
Ar	oclor-1	260				: 3 · . · .		6.4	l	백학4.	1	002	0.10	8.5
Ar	oclor-1	262						<0.0)2	可用額	3.	0.02	0.10	

SURROGATE RECOVERY

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MDL: Method Detection Limit

PQL: Practical Quantitation Limit



Environmental and Analytical Services-Since 1994

	 4.4 (2011) (2014) 4 (2011) 				0.7
Client:	SOUTHERN CALIFORNI	A EDISON	Date	Sampled:	08/09/10
Sample ID:	#4	· • • 1.5	Date	Extracted	: 08/10/10
CAS LAB NO		#* * * * * * *	Date	Analyzed:	08/10/10
	rix: Soil		Anal		ABR

POLYCHLORINATED BIPHENYLS (PCBs) EPA Method 8082

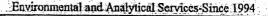
Compound	Results mg/Kg	Dilution Factor	MDL mg/kg	.PQL mg/Kg
Aroclor-1016	<0.02	4	0.02	0.10
Aroclor-1221	<0.02		0.02	0.10
Aroclor-1232	<0.02		0.02	0.10
Aroclor-1242	<0.03	1	0.02	0.10
Aroclor-1248	<0.02		0.02	0.10
Aroclor-1254	<0.02		0.02	0.10
Aroclor-1260	0.34		0.02	0.10
Aroclor-1262	<0.02		0.02	0.10

SURROGATE RECOVERY

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												er						
					yle													

MDL: Method Detection Limit

PQL: Practical Quantitation Limit





Client:	SOUTHERN	CALIFORNIA	EDISON	Date	Sampled:	08/09/10
Sample ID:	#5			Date	Extracted:	08/10/10
CAS LAB NO:	101976-0	5		Date	Analyzed:	08/10/10
Sample Matrix:	WATER			Anal	yat:	'AER

POLYCHLORINATED BIPHENYLS (PCBs) EPA Method 8082

Compound	Results µg/L	Dilution Factor	MDL PQL µg/L µg/L
Aroclor-1016	<0.5	2	1.0 2.0
Aroclor-1221	<0.5	2	1.0 2.0
Aroclor-1232	<0.5		1.0 2.0
Aroclor-1242	<0.5		1.0 2.0
Aroclor-1248	<0.5	IN 18 - 18 - 1 2 시간 이 원칙은 보다.	1.0 2.0
Aroclor-1254	<0.5		1.0 2.0
Aroclor-1260	1900	20	10.0 2.0
Aroclor-1262	<0.5	2	1.0 2.0

SHEROGATE RECOVERY

X	1 100 100 110 110 110 110 110 110 110 1						지근 사람들이 되지 않는데 말했다.
	i			 	. Comments and the second	o holeda Palibula en alberal.	
	surrogate	1.23/8/471	marrier in the	 and the second	(*) Recovery	(*) Control	l Limits
0.10.57	and because her consistent of the party of	distance in related		The second secon	undum terretain terretain all min	the state of the s	ing-methylanging property
	An are the second of		20 30 20 20				

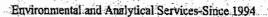
2,4,5,6-Tetrachloro-m-xylene(TCMX)

121

E2 106

MDL: Method Detection Limit

PQL: Practical Quantitation Limit





Client:	SOUTHERN CALIFORNIA	EDISON	Date Sampled: 08/09/10
Sample ID:	#1		Date Extracted: 08/10/10
CAS LAB NO:	101976-01	그는 이렇게 어떻게 되었습니?	Date Analyzed: 08/10/10
Sample Matrix:	SOIL		Analyst: ABR

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH) EPA Method 8015m

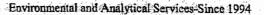
• 1	Compound		Resul mg/k		Dilution Factor	∦MDL mg/kg	PQL mg/kg
	TEPH		< 1.	0	1	1.0	5.0

SURROGATE RECOVERY

Surrogate	(%)Recovery	(∜)Control Limits	
		managan aka mana sangan umahasa mes	
n-Undecane	1.07	53~1.26	

MDL: Method Detection Limit

PQL: Practical Quantitation Limit





Client: SOUTHERN CALIFORNIA EDISON Date Sampled: 08/09/10
Sample ID: #2 Date Extracted: 08/10/10
CAS LAB NO: 101976-02 Date Analyzed: 08/10/10
Sample Matrix: SOIL Analyst: AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH) EPA Method 8015m

Compound	Results mg/kg	Dilution Factor	MDL PQL mg/kg mg/kg
 TEPH	7300	10	10.0 50.0

SURROGATE RECOVERY

	Surrogate		1011	CCCACTA	(%) Contro.	L Limits
	Line production of the contract of the contrac	WHITE COMPANY THE PARTY	STATE OF PERSONS ASSESSED.	فطمعت كوبيد لمحت فالوسل أويمدو وميسو مي نبيه ويداؤون	direction remaining to price beauty spirite but were inspected.	and the state of t
	The state of the s		1.0	医多数电影性 医多种性 医二氏性 医多种性 医	 M. 199 A. E. M. 199 B. M. 199 	TOTAL CONTRACTOR CONTR
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					The second secon	
	**************************************					DAMES AND STREET OF THE STREET
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	and a control of the	· · · · · · · · · · · · · · · · · · ·		transfer of the second second	The second secon	 Y. Marcellon, O. Gregoria. Y. Gregoria.
	 7 - 7 - 7 - 10 - 10 - 10 - 10 - 10 - 10				* **. ** * * * * * * * * * * * * *	につ がきそうとうが 新 あがけ しきゃ しししん ニーサ
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	n-undecase			3 4	 1 * * * * * * * * * * * * * * * * * * *	33 JAC 0
						Marie V. C. Carlotte, C. C. C
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MDL: Method Detection Limit

PQL: Practical Quantitation Limit



Environmental and Analytical Services-Since 1994

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Client:	SOUTHERN CALI	FORNIA EDISON		Date	Sampled:	08/09/10
Sample ID:	#3			Date	Extracted:	08/10/10
CAS LAB NO:	101976-03			Date	Analyzed:	08/10/10
Sample Matrix:	SOIL			Anal	yst:	AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH) EPA Method 8015m

Compound	Results mg/kg	Dilution Factor	MDL PQL mg/kg mg/kg
TEPH	25,000	10	10.0 50.0

SURROGATE RECOVERY

			1 * 1 Recovers	Control Limits

n-Undecane

137*

53-126

*Surrogate recovery outside control limits due to sample interference.

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

Environmental and Analytical Services-Since 1994

						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Client:	SOUTHERN	CALIFORNIA EDI	SON	E	ate Sampled:	08/09/10
	Sample ID:	#4			T.	Date Extracted:	08/10/10
:	CAS LAB NO:	101976-0	4 S v 2. 1 1 1 1 1 1 1		E	Date Analyzed:	08/10/10
	Sample Matrix:	SOIL				malyst:	ABR

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH) EPA Method 8015m

. :					B + 100.		Result		Dilutio	ari e	MOT	POT.
	ry r n Övr ty			11.04		7. j	100			1.0	No. 4	
•	Compound	L.,	1 14 1			1:	mg/kg	J	Factor		ng/k	g mg/kg
				X.		1.51	200			1,75 3,50		
٠.	TEPH	*:	100	1 857	الموكوني المرا	1	260)

SURROGATE RECOVERY

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				;:-		: .			111/11				·		11.				1.5	7								***		
		n	-Un	dec	ane			, '. '							:		 8	7								53-	-12	5		
٠.,		٠.	٠,				1176	3.345	 	97.7		7.0			 1.,	9.15	 			. 1	 					Salv	oste ii	11.50	3, 274	10.79

MDL: Method Detection Dimit

PQL: Practical Quantitation Limit



Client: SOUTHERN CALIFORNIA EDISON Date Sampled: 08/09/10
Sample ID: #5 Date Extracted: 08/10/10
CAS LAB NO: 101976-05 Date Analyzed: 08/10/10
Sample Matrix: WATER Analyst: AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH) EPA Method 8015m

Compo	und		Results mg/L	Dilution Factor	MI mg	OL PQL /L mg/L
TEPH		Tarina and	2800	2	0	.2 1.0

STEROGATE RECOVERY

Surro	rate	(%)Recovery	(%)Control Limits
Marine Spiles (respective	napigathan taga a marang a mar		Andrew Control of the
n-Unde	scane	100	53-126
MDL:	Method Detection Limit		
PQL:	Practical Quantitation Lin Sample Analysis Result > 1		



TEPH - Quality Control (soil matrix)

	Sample ID:	Method Blank	Date Extracted: 08/10/1	.0
2	CAS LAB NO:	081010-MB	Date Analyzed: 08/10/	LD
	Sample Matrix:	BOIL	Analyst: ABR	77

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH) EPA Method 8015m

Compound	Results mg/kg		Dilution Factor	MDL mg/kg	₽QL mg/kg
TEPB	< 1.0	ter period	1	1.0	5.0

SURROGATE RECOVERY

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		100				1																CAN.				
		n-U	ideca		2.5		:	: * <u>:</u> :			٠.			`##.	83					• • • • • • • • • • • • • • • • • • • •	0.4	1.03	Carrie seems	26		# .f
. :			- 13					:	: .				.4					4.0		le grig				11. 117		
	V							Ϋ́. ÷					٠.	:	., .	Terr	· · · · · · · ·			and the second	. 58				h W	

MDD: Method Detection Limit

PQL: Practical Quantitation Limit



TEPH - Quality Control (water matrix)

and the second s	the state of the s	 	
Sample ID:	Method Blank		Date Extracted: 08/10/10
CAS LAB NO:	081010-MB		Date Analyzed: 08/10/10
Sample Matrix:	WATER		Analyst: AER

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS (TEPH) EPA Method 8015m

;	Compound	Results mg/L	Milution Factor	MDL PQL mg/L mg/L
٠.٦	TEPH	< 0.1		0.1 0.5

SURROGATE RECOVERY

wante and a series franchis minute										
						.: 41				
					0.7					

MDL: Method Detection Limit

PQL: Practical Quantitation Limit



PCBs - Quality Control Report EPA Method 8082

Sample Analyte Result	QC	Qualifier	True States	Level	% RBC	Limits	RPD	Limit
malyte Result (ethed Slank (081010)	Result	Qualitier	Extracte			Analyzed		
Surrogate: Tetrachloro-a-rylene (TCMS)	2,46		DACLACE	2	123	51-129	.00, 10,	
			riodoului (i	2	74	53-126		
Surregate: Dibutylchlorendace (DBC)	1.48		na/T			33-126	- 17 J. 18 V.	- 200 - 100
Aroclor-1016	<0.5		nd/T					
Aroclor-1221 Aroclor-1232	<0.5 <0.5		ng/r					
Aroctor-1232	<0.5		ug/L		Television A Television (g Agent	
Proclor+1248	<0.5		ug/L		1000			il yari.
Aroclor-1254	<0.5		ug/L					
Aroclor-1260	<0.5		ug/L					
Aroclor-1262	<0.5		ug/L					
IGS (081010)			Excract	ed: 08/	10/10	Analyzed	:08/10/	10
Surrogace: Tetrachloro:m-xylene(TCNX)	2.4	- 17 T	1.7.	2	120	51-129	Y. 1. 1973.	
the party of the p								
이 없는 이 가득하는 점이 되었다. 선생님이 아이를 다 때문에 되는 그렇게 살아 먹었다. 아이들은 그들은 그는 그는 그는 그는 것이다.	2.41			2	723	- 53-126		
Sucrogate: Dibutylchlorendare (DBC) Arockor-1260 (Total)	1 1 1 1 1 1 1 1 1 1		ug/L	LO LO	92	50-126 50-140		
Succeptate, Dibutyl chlorendare (DBC)	2,41		ug/L	10	92			10
Surrogats; Diburylchlorendars (DBC) Aroclor -1250 (Total)	2,41			10	92 10/10 123	50-140		10
Surrogats; Diburylchlorendars (DBC) Aroclor-1250 (Total) ECSD (D81010)	2,41 3,176			10 ed: 08/	92 10/10 123 122	50-140 Banalyzec 51-129 53-126	l:05/10/	10
Surrogats:Diburylchlorendars(DBC) Aroclor-1250(Total) ECSD (D81010) Surrogata:Techachloro-m-xylene(TCMX)	2.41 9.176			10 ed: 08/ 2	92 10/10 123	50-140 # Analyzec -51-129	l:05/10/	10
Surrogate:Diburylchlorendare(DBC) Aroclor-1250(Total) ECSD (081010) Surrogate:Tectachloro-m-kylene(TCMX) Surrogate:Dibubylchlorendate(DSC)	2,41 9.176 2.46 2.43		Extract	10 ed: 08/ 2 2	92 10/10 123 122	50-140 Banalyzec 51-129 53-126	l:05/10/	10
Surrogate:Diburylchlorendare(DBC) Aroclor-1250(Total) ECSD (081010) Surrogate:Tectachloro-m-kylene(TCMX) Surrogate:Dibubylchlorendate(DSC)	2,41 9.176 2.46 2.43		Extract ug/L	10 ed: 08/ 2 2	91 10/10 123 122 96	50-140 Banalyzec 51-129 53-126):05/10/	
Surrogate:Diburylchlorendare(DBC) Aroclor-1250 (Total) ECSD (081010) Surrogate:Tetrachloro-m-xylene(TCMX) Surrogate:Diburylchlorendate(DBC) Aroclor-1250 (Total)	2,41 9.176 2.46 2.43		Extract ug/L	10 ed: 087 7 2 10	91 10/10 123 122 96	50=140 = Analyzec -51+129 -53-126 -50=140):05/10/	
Surrogate:Diburylchlorendate(DBC) Aroclor-1250 (Total) ECSD (081010) Surrogate:Tetrachloro-m-xylene(TCMX) Surrogate:Dibubylchlorendate(DBC) Aroclor-1250 (Total)	2.46 2.46 2.46 2.43 9.640		Extract ug/L	10 ed: 08/ 2 2 10	92 10/10 123 122 96	50-140 analyzec 51-129 53-126 50-140	1:05/10/	
Surroyats:Diburylchlorendats(DBC) Aroclor-1250 (Total) ECSD (081010) Surroyats:Tetrachloro-m-xylene (TCMX) Surroyats:Dibubylchlorendats(DBC) Aroclor-1250 (Total) Migthod Blank (081010) Surroyats:Tetrachloro-m-xylene (TCMX)	2.46 2.46 2.46 2.43 9.640		Extract ug/L	10 ed: 08/ 2 2 10 ed: 08/ 0.2	92 19/10 123 122 96 10/10	50-140 analyzec 51-129 53-126 50-140 Analyzec 51-129	1:05/10/	
Surroyate: Diburyl chlorendare (DBC) Aroclor - 1250 (Total) ECSD (081010) Surroyate: Tetrachloro - x-xylene (TCMX) Surroyate: Diburyl chlorendate (DBC) Aroclor - 1250 (Total) Migthod Blank (081010) Surroyate: Tetrachloro - x-xylene (TCMX) Surroyate: Diburyl chlorendate (DBC)	2.46 2.46 2.46 2.43 9.640		Extract Eg/L	10 ed: 08/ 2 2 10 ed: 08/ 0.2	92 19/10 123 122 96 10/10	50-140 analyzec 51-129 53-126 50-140 Analyzec 51-129	1:05/10/	
Surrogate: Dibutylchlorendate (DBC) Aroclor-1250 (Total) ECSD (081010) Surrogate: Tetrachloro-m-xylene (TCMX) Surrogate: Dibutylchlorendate (DBC) Aroclor-1250 (Total) Method Blank (081010) Surrogate: Dibutylchloro-m-xylene (TCMX) Surrogate: Dibutylchloro-m-xylene (TCMX) Surrogate: Dibutylchlorendabe (DBC) Aroclor-1016	2.41 9.176 2.46 7.43 9.640 0.25 0.25 <0.02		Extract Extract Extract mg/kg	10 ed: 08/ 2 2 10 ed: 08/ 0.2	92 19/10 123 122 96 10/10	50-140 analyzec 51-129 53-126 50-140 Analyzec 51-129	1:05/10/	
Surrogate; Dibutylchlorendate (DBC) Aroclor-1250 (Total) ECSD (081010) Surrogate: Tetrachloro-m-xylene (TCMX) Surrogate: Disubylchlorendate (DBC) Aroclor-1250 (Total) Method Blank (081010) Surrogate: Dibutylchlorendabe (DBC) Surrogate: Dibutylchlorendabe (DBC) Aroclor-1016 Aroclor-1221	2.41 9.176 2.46 2.43 9.640 6.75 6.25 <0.02		Extract .ug/L @xtract mg/kg mg/kg	10 ed: 08/ 2 2 10 ed: 08/ 0.2	92 19/10 123 122 96 10/10	50-140 analyzec 51-129 53-126 50-140 Analyzec 51-129	1:05/10/	
Surrogate; Diburylchlorendate (DBC) Aroclor-1250 (Total) ECSD (031010) Surrogate: Tetrachloro-m-xylene (TCMX) Surrogate: Diburylchlorendate (DBC) Aroclor-1250 (Total) Method Elank (081010) Surrogate: Diburylchlorendate (DBC) Aroclor-1016; Aroclor-1221 Aroclor-1232	2.41 9.176 2.46 2.43 9.640 6.45 6.25 <0.02 <0.02		Log/Li Stract mg/kg mg/kg mg/kg mg/kg	10 ed: 08/ 2 2 10 ed: 08/ 0.2	92 19/10 123 122 96 10/10	50-140 analyzec 51-129 53-126 50-140 Analyzec 51-129	1:05/10/	
Surrogate: Diburylchlorendate (DBC) Aroclor - 1250 (Total) ECSD (081010) Surrogate: Techechloro-m-xylene (TCMX) Surrogate: Diburylchlorendate (DEC) Aroclor - 1250 (Total) Method Elank (081010) Surrogate: Diburylchlorendate (DEC) Aroclor - 1016 Aroclor - 1016 Aroclor - 1221 Aroclor - 1232 Aroclor - 1242	2.45 2.46 2.46 2.43 9.640 6.75		wy/L wy/L wy/ky mg/ky mg/ky mg/ky mg/ky	10 ed: 08/ 2 2 10 ed: 08/ 0.2	92 19/10 123 122 96 10/10	50-140 analyzec 51-129 53-126 50-140 Analyzec 51-129	1:05/10/	
Surrogate: Diburylchlorendate (DBC) Aroclor-1250 (Total) ECSD (081010) Surrogate: Teclechloro-m-xylene (TCMX) Surrogate: Diburylchlorendate (DEC) Aroclor-1250 (Total) Method Blank (081010) Surrogate: Diburylchlorendate (DBC) Aroclor-1016 Aroclor-1016 Aroclor-1211 Aroclor-1232 Aroclor-1248	2.45 2.46 2.46 2.43 9.640 0.75 0.25 0.25 0.26 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02		Extract Sxtract mg/kg mg/kg mg/kg mg/kg mg/kg	10 ed: 08/ 2 2 10 ed: 08/ 0.2	92 19/10 123 122 96 10/10	50-140 analyzec 51-129 53-126 50-140 Analyzec 51-129	1:05/10/	
Surrogate: Diburylchlorendate (DBC) Aroclor-1250 (Total) ECSD (D81010) Surrogate: Techschlore-m-kylene (TCKX) Surrogate: Diburylchlorendate (DBC) Aroclor-1250 (Total) Method Blank (D81010) Surrogate: Diburylchlorendate (DBC) Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1248 Aroclor-1258	2.45 2.45 2.45 2.43 9.640 0.25 0.25 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02 <0.02		ug/L extract mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	10 ed: 08/ 2 2 10 ed: 08/ 0.2	92 19/10 123 122 96 10/10	50-140 analyzec 51-129 53-126 50-140 Analyzec 51-129	1:05/10/	

Flyas for Data Qualifiers

- S Surrogate recovery for this sample is outside control limits due to possible sample matrix interference.
- MS Spike recovery for this QC sample is outside the establish control limits due to sample matrix interference
- Q = RPD results exceed the QC control limits due to matrix interference; however both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or the rest of QC

CAPCO ANALYTICAL SERVICES

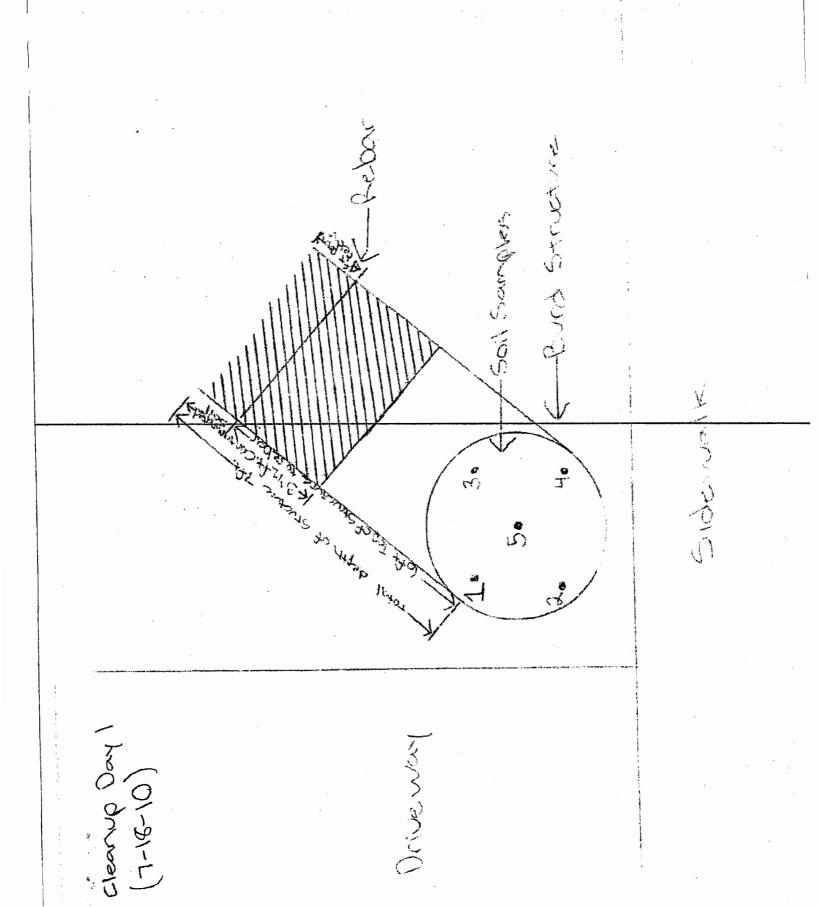
1536 Eastman Avenue Ventura, CA 93003 (805) 644-1095 Fax 644-9947 REPORT
Fax 405-CSU-1303

Company SOUTHER CANBONG EASON
Address 10060 Telegraph Rd.

Venture CA 93604

Phone 405-133-3001 Contact Andrew New York Phone 405-155-3714 Contact Robert Morting

C	HAIN C	OF CUS	TO	DY	RECORD	Phone 405-11	3-3001	Conta	ct B	DOM	IV	/	∞	ا _ ا	Phon	в <u>КО</u>	<u>ه .</u> ا	⊃ <u>,</u> €	ווככ	<i>æ</i> c	ontact KOOLIX	Was	ticks
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Prepared For:

Southern California Edison

July 21, 2010

10060 Telegraph Road Ventura, CA 93004

ATTENTION: Andy Melendez

Laboratory No: 101743

Sampled By: Client

Date Received: 19-JUL-10

ID: See Below

Project: 3701 Capstan Cir., Westlake Village

Project No: VC00156

Purchase Order No: 900169326

RESULTS

On Jul 19, 2010, five (5) samples were received for analysis by Capco Analytical Services, Inc. The samples were identified and assigned the lab numbers listed below. This report consists of 8 pages excluding the cover letter and the Chain of Custody.

SAMPLE DESCRIPTION	CAS LAB NUMBER
#1	10174301
#2	10174302
#3	10174303
#4 _	10174304
#5	10174305

Alin E. Repede, MS

Director - Analytical Operations

This report shall not be reproduced except in full without the written approval of Capco Analytical Services, Inc.

The test results reported represent only the items being tested and may not represent the entire material from which
the sample was taken.



Client:

Matrix:

SOUTHERN CALIFORNIA EDISON

CAS Lab No: 101743 SOIL

Date Received:

7/19/2010

Date Extracted:

7/19/2010

Date Analyzed:

7/19/2010

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS EPA METHOD 8015M

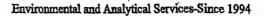
CERTIFICATE OF ANALYSIS

	Compound	Concentration mg/kg	Dilution Factor	MDL mg/Kg	PQL mg/kg	Surrogate % Recovery
	CAS Lab # : Client ID :	101743-01 #1				
	TEPH	12000	1	2	10	65
	CAS Lab # : Client ID :	101743-02 #2				
	TEPH	5600	1	2	10	71
	CAS Lab.#: Client ID:	101743-03 #3				
	TEPH	12000	1	2	10	66
	CAS Lab # : Client ID :	101743-04 #4				
	TEPH .	7900	1	2	10	70
•						•

Surrogate: n-Undecane

Surrogate Control Limits: 48 - 114 %

MDL: Method Detection Limit PQL: Practical Quantitation Limit Not Detected; < 2mg/Kg ND:





Client:

SOUTHERN CALIFORNIA EDISON

Date Received:

7/19/2010

CAS Lab No:

101743

Date Extracted:

7/19/2010

Matrix:

SOIL

Date Analyzed:

7/19/2010

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS EPA METHOD 8015M

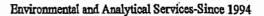
CERTIFICATE OF ANALYSIS

Compound	Concentration mg/kg	Dilution Factor	MDL mg/Kg	PQL mg/kg	Surrogate % Recovery
CAS Lab #: Client ID:	101743-05 #5	e *			
TEPH	2200	1	2	10	61
CAS Lab # : Client ID :	101743-MB Method Blank				
TEPH	<.2	. 1	. 2	10	73

Surrogate: n-Undecane

Surrogate Control Limits: 48 - 114 %

MDL: Method Detection LimitPQL: Practical Quantitation LimitND: Not Detected; < 2mg/Kg





Client:	SOUTHERN CALIFORNIA EDIS	ON Date Sampled:	07/18/10
Sample ID:	·#1	Date Extracted	d: 07/19/10
CAS LAB NO:	101743-01	Date Analyzed	: 07/19/10
Sample Matrix:	Soil	Analyst:	MLA

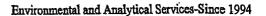
Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	.1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.70	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
Tetrachloro-m-xylene(TCMX)	. 58	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit





Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	07/18/10
Sample ID:	#2	Date Extracted:	07/19/10
CAS LAB NO:	101743-02	Date Analyzed:	07/19/10
Sample Matrix:		Analyst:	MLA

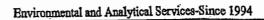
Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1 .	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	· 1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.19	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate		******	(위)Recovery	(%) Control Limits
Tetrachloro-m-xylene	(TCMX)	••	51	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit





Client:	SOUTHERN CALIFORNIA ED	Date Date	Sampled: 07/18/	10
Sample ID:	#3	Date	Extracted: 07/19/	10
CAS LAB NO:	101743-03	Date	Analyzed: 07/19/	10
Sample Matrix:		Anal	-	
DOMINTE MOUTTY:	HOTT			

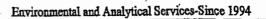
et en	Results	Dilution	MDL	PQL
Compound	mg/Kg	Factor	mg/Kg	mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	. 1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	1.5	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate		(%)Recovery	(%) Control Limits
Tetrachloro-m-xvlene(TCMX)	•	72	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit





Client: SOUTHERN CALIFORNIA EDISON Date Sampled: 07/18/10
Sample ID: #4 Date Extracted: 07/19/10
CAS LAB NO: 101743-04 Date Analyzed: 07/19/10
Sample Matrix: Soil Analyst: MLA

POLYCHLORINATED BIPHENYLS (PCBs) EPA Method 8082

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1.	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	. 1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.68	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	·	*********	(%) Recovery	(%) Control Limits
Tetrachloro-m-xylene(Te	CMX)	•	63	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

Client:	SOUTHERN CALIFORNIA EDI	SON Date Sampled:	07/18/10
Sample ID:	#5	Date Extracted:	07/19/10
CAS LAB NO:	101743-05	Date Analyzed:	07/19/10
Sample Matrix:	Soil .	Analyst:	MLA

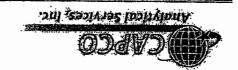
Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	. 1	0.02	0.10
Aroclor-1254	<0.02	1	0.02	0.10
Aroclor-1260	0.44	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

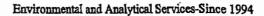
SURROGATE RECOVERY

Surrogate	(%) Recovery	(%) Control Limits
	•	
Tetrachloro-m-xvlene(TCMX)	57	51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit







Client:	SOUTHERN CALIFORNIA EDISON	Date Sampled:	n/a
Sample ID:	Method Blank	Date Extracted:	07/19/10
CAS LAB NO:	101743-MB	Date Analyzed:	07/19/10
Sample Matrix:	Soi1	Analyst:	MLA

Compound	Results mg/Kg	Dilution Factor	MDL mg/Kg	PQL mg/Kg
Aroclor-1016	<0.02	1	0.02	0.10
Aroclor-1221	<0.02	1 .	0.02	0.10
Aroclor-1232	<0.02	1	0.02	0.10
Aroclor-1242	<0.02	1	0.02	0.10
Aroclor-1248	<0.02	1	0.02	0.10
Aroclor-1254	<0.02	. 1	0.02	0.10
Aroclor-1260	<0.02	1	0.02	0.10
Aroclor-1262	<0.02	1	0.02	0.10

SURROGATE RECOVERY

Surrogate	(%)Recovery	(%) Control	Limits
Tetrachloro-m-xylene(TCMX)	64		51-129

MDL: Method Detection Limit

PQL: Practical Quantitation Limit

CAPCO ANALYTICAL SERVICES

1536 Eastman Avenue, Suite B Ventura, CA 93003 (805) 644-1095 Fax 644-9947 www.capcoenv.com

REPORT Fax _		BILL TO:	P.O.#9(0) \16932
Company 5CF		company fortriot	
Address 10000 Teles	raphed.		Ventura Ave. Bldg.F
Vertura CA Email Ar	24. meterder Or	ean Ventura	CA 93001
Phone 503-223-3091 Contact	Andy Medelester	Phone (505-755-37) V	6 Contact Robert Martine

	CHAIN (TO	DY I	RECOI	RD	Phon	10 <u>15075-2-7</u>	3-7	POS	Conta	ol A	yer	N	dek	e de	rg_ F	hone <u>f</u>	(Ct-)-1	755	<u>₹7 v</u>	6 Co	ritact	<i>5000</i>	ut W	ठाद्रश्र
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Material Testing Laboratory Shop Services and Instrumentation Department

Λ	***	nt	an	•

Phil Jonas / Al Camas

Report Date: 7/18/2010

Location:

Thousand Oaks S/C

PCB in Oil by EPA Method 8082A/8000C Sample Extraction: EPA 3580 CAELAP#1536

Sample Date:	7/18/2010		
Dairiple Date.	111012010		
1	-14010040		
Analysis Date:	7/18/2010		
7 il lary ata Batat	.,,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	 	

Ì	Laboratory	Unique	Sampling Location	Structure	Equipment	Serial Number	Gallons		PCB
	םו	·Sample	Address	Number	Type /		1		Conc.
		1D	(Flaid/District/Substation)		Compartment	<u> </u>			mg/kg
	CSP2282-071810	072381	3701 Capstain Cir, Westlake	5024599		H235218P68A			166.
_							3		
]				22	
						·	30 mars		
							2000	2	

^{*}RL Reporting Limit - for laboratory use only

If you have questions about this report please contact the Material Testing Laboratory at (714)895-0522 or PAX 54522

Comments: (if any)	
OSS 18111	

Analyzed By:

Reviewed by:

Date: 7/18/10

e: 7/9/10



CHAIN OF CUSTODY RECORD

An EDISON INTERNATIONAL® Company

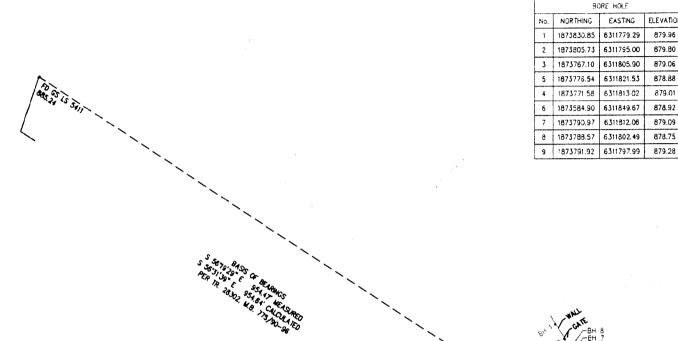
1 CUSTOM	ER CONTA	CT NAME:	PHON	NE NUMBER:		EMAILA	DDRESS:		FAX	<u>c</u>		Γ	T		Γ
Alvaco	Car	~~	(A) (a-	-262-29	940	Alma	2.6	asasce.c	SOM S						l
2 IF SAMPL	E DELIVER	RED BY PONY: PRINT PO	ONY LOCATION	V:Trav	sand Q	NKS !	3/0	****				1			
3 PROJECT	NAME (If	Any):	SEND ANAL	YTICAL RESU	ILTS TO:			Via Email	☐ Via Fax	(
B AND S	たてンで入 VALID SAF	PACCOUNTING:	Alvan	Car	<u>>>></u>							1			l
- 1101122		700		AF C	MALL	4660	(1								
LAB ADDRES		ls Testing Lab 7351 Fenwick g Hours: M-F 7:00 AM - 3:30				(714) 895-0 Contact Ed						ĺ		П	
For Lab	5	6	211102	7	8		9	10	41	12		14	15	Tes	sts
Use Only Lab ID	Unique Sample Number	Sampling Location A (Field/District/Subst		Structure Number (If Applicable)	Equipme and/or		Equipment Compartment	Serial Number (PRINT CLEARLY)	Gallons	Sample Date	Time Sampled	Matrix	PCB	표	Other
CSPZZ8Z		3701 Cans	Stain Cir	50017500											
071810	072381	3701 Capa Westlake Ui	MagerCA	500-13-61			l	H135118P68	A	7-18-1	<u> </u>				
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	072384														
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Relinquished B	y fel]	Date:	7.18.10	Tlm	e: 14:22	Rece	eived By: S		Date	/Time	7-18-	10	Ш	2	2
Relinquished B		Date:		Tim	e.	Rec	eived By:	Horing	Date	/Time 7	la l	0	16	46	
		RED IN PERSON:		144		,		HONE #		1	//-/			7	
18 TURNARO	OUND TIME	YOUR NAME:	10 COMMEN	ITS (If Any):			YOUR P	2	0 Fill This S	ection Onl	y If Applic	able			
1 -	il (3-5 Day	s)	Conto	NCX F	groulf	Ca	ason	AS, AR							
` <i>1</i>	Day (100% . (75% Sur	Surcharge) charge)	Wit	FB	CBS	Res	Me	AS.AR.	If Sample i	il Spill Nur	nber:	181	11		

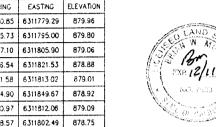
APPENDIX B

LICENSED SURVEYOR REPORT

Table B-1 – Surveyor Boring Numbers Translated to Record Boring Numbers

Designation of	Surveyor
Record	Designation
HA-1	BH-1
HA-2	BH-2
DP-1	BH-3
DP-2	BH-4
DP-3	BH-5
DP-4	BH-6
DP-5	BH-9
DP-6	BH-8
DP-7	BH-7





8H 6 •



6/21/2011 8:52 AM M.S. 56-74

COUNTY: LOS

CITY: WESTLAKE VILLAGE

NAME: BORE HOLES @ 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE

HORIZONTAL CONTROL: NAD 83, ZONE 5 NGS CONTROL POINT, RUSSELL VALLEY G5

VERTICAL CONTROL: NAVO 88
FOUND DPW 8M 11286 IN EAST CATCH BASIN
SOUTH OF BOR 0 SE CORNER LINDERO CYN
ROAD & FOXFIELD DRIVE
ELEVATION: 882.166

0	100	200
	SCALE IN FEET	

APPENDIX C LOS ANGELES COUNTY GROUNDWATER SAMPLING PERMIT

	Ġ				
WATER QUALITY PROGRA	LICATION - NON PROD M - ENVIRONMENTAL HEAL ALDWIN PARK, CA 91706 T		13-3016	DATE 5/4/2011	
D NEW WELL CONSTRUCT MONITORING HYDROPUNCH		INJECTION DEX	ECOMMISSIONING TRACTION THER:	O THER: D HEAT SXCHANGE	
	NAMES OF THE OWNERS OF THE OWNER.	HEASWED TO THE ON			AND THE PERSON OF THE PERSON O
	Palan Circle	WESTLAKE VILLAGE	City	912(2)	2nde
Nearest Intersection	FO C	Thomas Guide Map Book Page	/Grid	Number of Wells in Each P	arccl
THE THE PERSON NAMED IN COLUMN	MACHINE CONTRACTOR	S SWELLSTRUCTUR		4. ECTATE TO THE PARTY TO THE	S. T. M. T. M. S. C. S. L. M. V. P.
Total Depth of Well	Depth of Well Casing		Annular Scaling Ma	terial	A TOWN THE PROPERTY OF PARTY.
Depth of Sanitary / Annular So	cal	Conductor C	asing Scal		
HE TAXABLE PARTY OF THE PARTY O				AND THE REPORT OF THE PARTY OF	
Owner's Name	alifornia Edison	Telephone Nur 909 - 594-86	nber 23		
Address 300 N. Con		SAN DIMAS	City	9 1773ip	Code
	建设的工作。	adrio dinescreto della			开部队 新程
Driller's Name INTERPL	AS E	Telephone Nur 323-27	nber 7700	C-57 Licenso Number 730421	'
Address 6 200 PEACH		LOS ANG Eles	City		Code
	APPENDING THE PERSON NAMED IN	DECOMMESTANDAM	GORNATE ON	红木的现在形成的一种	PARTER
Well Dopth	Method of		,	Depth and Number of Perforations	
☐ log/records Type and	Well Assess Type of	Size of		Method of Upper Scal	
Amount of Scalant	Performer	Perforations CONSUNT WINTELEST GRIV		Pressure Application	HE MERINANT ARREST
The state of the s	chucu Grap		A PART NO DE LA COMO	不可以可以是不可以是是不可以可以是是不可以是是是不可以是是是不可以是是是是是是是是	PROGRAMMA STATES
Address 300 N. La	WE HILL AVE	san D mas	City	State Sign	Code 7.3
Project Manager DAVID V	an Horsen	Telephone Number 909-394-	1623	909-394-8610	
ATTENTION: WORL	K PLAN MODIFICATIO	NS MAY BE REQUIRED	IF WELL AND	GEOLOGIC CONDITIONS	\$
ENCOUNTERED AT		AKE FUUND TO DIFFF	K FRUM THE	SCOPE OF WORK PRESE	TEU TU
I hereby agree to comply in ev	ery respect with all the regulation	s of the County Environmental He	Alth Division and wit	hall ordinances and laws of the County necessary by the County Environmenta	y of Los
Division Of Los Angeles Cou	nor.	S., Constituenton, and decontained			
Signature of Applicant:	Javie Vanton	Printed Name:	DAVID	In Hoesen	
THIS PERMIT IS NO				ENTS ARE SIGNED OFF B	
	FFICER. WELL CONS ROVAL FROM THIS DE		C C	CANNOT BE INITIATED W	THOUT
		[4].	MILI.		****
MTSIEROS	H. LACOUNTY. G	*(DEPARTMENT USE		است ما المنظم المنظم و المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم المنظم الم 	
THE WO	KE PEA TAPPEONAL	REHS MICH	ELLE TS	DATE 5/09/1	
Conditions:				,	_
	102,00 Was pai	d for permit	£ 891097	17-8 A. drill 9 h	vel
punches Mars	ol. oo was pai	bs Use 95% Por	= 891097 Hand, cu	17-8 A dill 2 h	yelir.
punches Mara	Jain all sethace	by Vse 95% Por backfill the h+	\$91097 Hand, cu	17-8 A drill 2 h ment with 5% ber	yeliv- nbonida

NOTICE

REHS

This well permit approval is limited to compliance with the California Well Standards and the Los Angeles County Code and does not grant any rights to construct, reconstruct, or decommission any well. The applicant is responsible for securing all other necessary permits.

APPENDIX D

SOIL BORING LOGS

Zav	SOUTHERN	CALIFORNIA				BORING LOG		
Finaineer		DUCTION Inical Services	Drill Rig	: G	eoprobe	Date Drilled: Jan. 1	2, 2011	Logged By:
GEOTEC	INICAL GRO	UP	Boring [Dia: 2.2	5 Inches	Boring Number:	DP-1	E. Carlisle
Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology		Desc	cription	
	2.2		- 5	own GRAVELLY SAND with grained, medium dense, medium dense, medium dense, medium dense, medium dense, medium dense, medium dense, moist Town SAND with some sitt at lense, moist Town OF BORING AT 16 FEI NDWATER OBSERVED V NDWATER DETECTED AT DROCK ENCOUNTERED BIBLE STAINS OR ODORS ound PID: 0.0ppm	in some clay and fine Grad D with clay a	vel, fine-grained		
installed feet belo	w ground sur	: d 1 inch PVC to face (bgs) on rval - 16 to 6 fe	1-12-2011.	undwater sam	pling well to 1	Site: Westlake Vil	lage GV	V Sampling
				,				

.

MA	SOUTHERN CALIFORNIA					BORING LOC	}		
Engineer	POWER PRO	3011	Drill Rig	: G	eoprobe	Date Drilled: Jar	n. 12, 2011	Logged By:	
GEOTECE	INICAL GRO	UP	Boring Dia: 2.25 Inches		5 Inches	Boring Number:	DP-2	E. Carlisle	
Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology		, D	Description		
	13.1		- 5		(ML) Daniel (ML) D	on surface (4 inches) own SAND with silt and coarse-grained, medium ark Brown SILT with cla y, moist M OF BORING AT 12 NDWATER OBSERVEI NDWATER DETECTED DROCK ENCOUNTER BIBLE STAINS OR ODD ound PID: 0.0ppm	y and some fine m- to coarse-gr FEET D VISUALLY A D AT 6.2 FEET	e-grained sand, low	
Installed a	v ground su	: d 1 inch PVC ter face (bgs) on 1- rval - 12 to 7 fee	12-2011.	undwater sam	Site: Westlake Village GW Sampling			V Sampling	
			······································						

Z AV	SOUTHERN	CALIFORNIA	BORING LOG							
Engineer	POWER PRO	nical Services	Drill Rig:	G	eoprobe	Date Drilled: Jan. 1	12, 2011	Logged By:		
GEOTECI	IINICAL GRO	ne -	Boring Dia: 2.25 Inches E			Boring Number:	DP-3	E. Carlisle		
Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology		Des	cription			
	17			6 6 9 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	(SM) Br	on surface (4 inches) rown SILTY SAND with occurrenced, dense, dry own CLAYEY SILT, high p rown SAND with silt, fine-to	iasticity, mo o medium-g	rained, wet		
	·			A S S S S S S S S S S S S S S S S S S S	GROU GROU NO BE NO VIS Backgr	OM OF BORING AT 12 FE NDWATER OBSERVED V NDWATER DETECTED A DROCK ENCOUNTERED BIBLE STAINS OR ODORS OUND PID: 0.0ppm	(ISUALLY A T 6.4 FEET	T 7 FEET		
Installed feet belo	w ground sui	: d 1 inch PVC ter face (bgs) on 1- rval - 12 to 7 fee	12-2011.	undwater sam	pling well to 1	Site: Westlake Vi	llage GV	V Sampling		
		-								

SOUTHERN CALIFORNIA						BORING LOG	RING LOG		
Fnoineer	POWER PRO	DUCTION inical Services	Drill Rig:	G	eoprobe	Date Drilled: Jan. 12	2, 2011	Logged By:	
GEOTECI	UNICAL GRO	UP	Boring D)ia: 2.2	5 Inches	Boring Number:	DP-4	E. Carlisle	
Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	3	Desc	Description		
	0.0		- 5	8: 0 9: 0 9: 0 9: 0 9: 0 9: 0 9: 0 9: 0	(SP) Bi medium	on surface (6 inches) own SILTY SAND with fine grained, loose to medium d own to Dark Brown SANDY fine- to coarse-grained san to Dark Brown SILT with so grained GRAVELLY SAND own to Chalky Grey SAND	SILT with sid, dense, many me clay, into dense to some fine to coarse noist terbeds of ry		
Installed	etion Notes and remove w ground su	: d 1 inch PVC ter rface (bgs) on 1	mporary gro	Site: Westlake Village GW Sampling					
-\$	creened Inte	rval - 16 to 11 fe	et bgs						

SOUTHERN CALIFORNIA			BORING LOG						
Enginee	POWER PRO	nical Services	Drill Rig	: Han	d Auger	Date Drilled: Jan.	12, 2011	Logged By:	
GEOTEC	UNICAL GRO	U.P	Boring D	Dia: 2.2	5 Inches	Boring Number:	HA-1	ZAF	
Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology	Description				
19.7					(SM) Brown SILTY SAND, fine- to coarse-grained, poorly graded sub-angular to sub-rounded, slightly moist (SC) Brown to Tan CLAYEY SAND, fine- to coarse-grained, sub-angular to sun-rounded, medium plasticity, moist (SW) Brown to Tan GRAVELLY SAND, fine- to coarse-grained				
		 		sand, fi	ne gravel, sub-rounded, s io Dark Brown SAND	avel, sub-rounded, slightly dense, moist			
			 		GROUI GROUI NO BEI NO VIS	M OF BORING AT 10 FE IDWATER OBSERVED V IDWATER DETECTED A DROCK ENCOUNTERED IBLE STAINS OR ODOR OUND PID: 0.0ppm	VISUALLY AT AT 7.5 FEET O	Г 9 FEET	

Installed feet belo	w ground sur	i 1 inch PVC ten face (bgs) on 1- val - 10 to 5 feet	12-2011.	undwater samp	oling well to 1	Site: Westlake V	illage GW	/ Sampling	

SOUTHERN CALIFORNIA			BORING LOG							
Engineer	POWER PRO		Drill Rig	: Han	d Auger	Date Drilled: Jan.	te Drilled: Jan. 12, 2011 Logged E			
GEOTECH	NICAL GRO	hnical Services UP	Boring D)ia: 2.2	5 Inches	Boring Number:	HA-2	E. Carlisle		
Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology		Des	scription			
					(ML) Br dense,	own SANDY SILT, fine- to	medium-gra	ained sand, medium		
			 		(CL) De moist	ing clay content with depth		medium plasticity,		
			_ 5 _ _ 5 _							
14.7				9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	(SM) Brown SILTY SAND, medium dense, wet		m- to coarse-grained, slightly			
			 - 10 - 	9 g g g g g	(SP) Lit to sub-	ht Brown SAND, medium angular, medium dense, w	- to coarse-g et	rained, sub-rounde		
			_ · _	.	GROUI GROUI NO BE	M OF BORING AT 12 FE NDWATER OBSERVED \ NDWATER DETECTED A DROCK ENCOUNTERED IBLE STAINS OR ODOR	/ISUALLY A ⁻ IT 6.9 FEET	T 8 FEET		
		•	15 		Backgr	ound PID: 0.0ppm				
	Anna Alla, a									
										
į			_							
	ion Notes					Site:				
feet below	ground su	d 1 inch PVC ten face (bgs) on 1- rval - 12 to 7 feet	12-2011.	undwater samp	oling well to 1	² Westlake Vi	llage GV	/ Sampling		



Engineering And Technical Services GEOTECHNICAL GROUP

BORING LOG

Drill Rig: H.A. & Geoprobe

Date Drilled: May 26, 2011

Logged By:

Boring Dia:

2.25 Inches

Boring Number:

DP-5

D. Van Horsen

			Boring L	Jia. 2.2	5 Inches	Boring Number:	DP-5	D. Van Horsen
Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology		Des	scription	
	0.0				BOTTO GROU NO BE NO VIS	E SOIL: (SM) Dark Brown moist, loose to slightly der moist, loose to slightly der moist. In the sugger: 0-6 feet DM OF BORING AT 11 FE NDWATER DETECTED / DROCK ENCOUNTERE(SIBLE STAINS OR ODOR ound PID: 0.0ppm	EET AT 6.7 FEET	

Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 7 feet below ground surface (bgs) on 5-26-2011.

-Screened Interval - 7 to 2 feet bgs

Site:

Westlake Village GW Sampling



Engineering And Technical Services
GEOTECHNICAL GROUP

BORING LOG

Drill Rig: H.A. & Geoprobe Date Drilled: May 26, 2011 Logged By:

Boring Dia: 2.25 Inches Boring Number: DP-6 D. Van Horsen

					- mones	boning Humber.	DF-0	D. van Horsen
Sample Depth	PID (ppm)	Completion	Depth Feet	Lithology		Des	scription	
			- 5		Wet Hand A	E SOIL: (SM) Dark Brown moist, slightly dense ght Brown SAND, fine- to a suger: 0-6 feet DM OF BORING AT 11 FE NDWATER DETECTED A DROCK ENCOUNTERED SIBLE STAINS OR ODOR ound PID: 0.0ppm	medium-grain	ned, loose, slightly

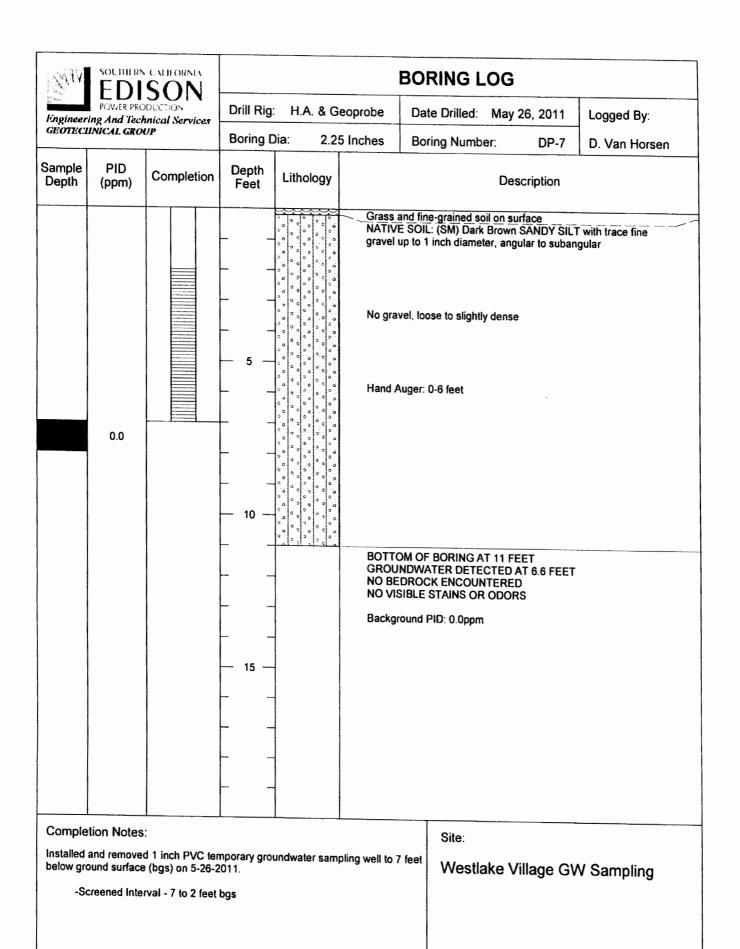
Completion Notes:

Installed and removed 1 inch PVC temporary groundwater sampling well to 7 feet below ground surface (bgs) on 5-26-2011.

-Screened Interval - 7 to 2 feet bgs

Site:

Westlake Village GW Sampling



APPENDIX E

ANALYTICAL TESTING RESULTS AND CHAIN OF CUSTODY

June 01, 2011



ELAP No.: 1838 NELAP No.: 02107CA CSDLAC No.: 10196

ORELAP No.: CA300003

Workorder No.: 118103

David Van Horsen Southern California Edison 300 N. Lone Hill Avenue San Dimas, CA 91773

TEL: (909) 394-8623 FAX: (909) 394-8593

RE: WESTLAKE-CAPSTAN CIRCLE, 313725

Attention: David Van Horsen

Enclosed are the results for sample(s) received on May 27, 2011 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Advanced Technology Laboratories

Date: 01-Jun-11

CLIENT:

Southern California Edison

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

Lab Order:

118103

CASE NARRATIVE

Analytical Comments for Method 8082

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

ANALYTICAL RESULTS

Advanced Technology Laboratories

CLIENT:

Southern California Edison

Client Sample ID: DP-5 S-1 @ 7'

Lab Order:

118103

Collection Date: 5/26/2011 11:35:00 AM

Print Date: 01-Jun-11

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

Matrix: SOIL

Lab ID:

118103-001

Analyses	Res	Result PQL Qu		Units DF		Date Analyzed	
HYDROCARBON CHAIN IDENTIF	ICATION						
ı	LUFT		E	PA 8015B(M)			
RunID: GC16_110531A	QC Batch:	73188	}	Prep	Date:	5/27/2011 Analyst: CBR	
T/R Hydrocarbons: C8-C10		ND	10	mg/Kg	1	5/31/2011 11:26 AM	
T/R Hydrocarbons: C10-C18		ND	10	mg/Kg	1	5/31/2011 11:26 AM	
T/R Hydrocarbons: C18-C28		ND	10	mg/Kg	1	5/31/2011 11:26 AM	
T/R Hydrocarbons: C28-C36		ND	10	mg/Kg	1	5/31/2011 11:26 AM	
T/R Hydrocarbons: C36-C40		ND	10	mg/Kg	1	5/31/2011 11:26 AM	
T/R Hydrocarbons: C8-C40 Total		ND	10	mg/Kg	1	5/31/2011 11:26 AM	
Surr: p-Terphenyl		93.4	63-152	%REC	1	5/31/2011 11:26 AM	
HYDROCARBON CHAIN IDENTIF	ICATION						
			Ε	PA 8015B(M))		
RunID: GC2_110527A	QC Batch:	E11V	S205	Prep	Date:	Analyst: TP	
T/R Hydrocarbons: C4-C12		ND	1.0	mg/Kg	1	5/27/2011 03:36 PM	
Surr: Bromofluorobenzene (FID)		130	62-153	%REC	1	5/27/2011 03:36 PM	

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

- E Value above quantitation range
- ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



ANALYTICAL RESULTS

Advanced Technology Laboratories

CLIENT:

Southern California Edison

Client Sample ID: DP-5 S-1 @ 7'

Print Date: 01-Jun-11

Lab Order:

118103

Collection Date: 5/26/2011 11:35:00 AM

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

Matrix: SOIL

Lab ID:

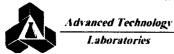
118103-001

Analyses	Result	Result MDL PQL Qual Units			DF Date Analyzed	
PCBS BY GC/ECD						_,
	EPA 3550B		EPA	8082		
RunID: GC5_110531A	QC Batch: 732	13		PrepDate:	5/31/2011	Analyst: BB
Aroclor 1016	ND	4.6	16	μg/Kg	1	5/31/2011 05:1
Aroclor 1221	ND	2.7	33	μg/Kg	1	5/31/2011 05:1
Aroclor 1232	ND	2.1	16	μg/Kg	1	5/31/2011 05:1
Aroclor 1242	ND	2.3	16	μg/Kg	1	5/31/2011 05:1
Aroclor 1248	ND	2.9	16	μg/Kg	1	5/31/2011 05:1
Aroclor 1254	ND	3.0	16	μg/Kg	1	5/31/2011 05:
Aroclor 1260	ND	4.2	16	μg/Kg	1	5/31/2011 05:1
Aroclor 1262	ND	2.7	16	μg/Kg	1	5/31/2011 05:
Aroclor 1268	ND	3.7	16	μg/Kg	1	5/31/2011 05:1
Surr: Decachlorobiphenyl	86.4	0	39-122	%REC	1	5/31/2011 05:
Surr: Tetrachloro-m-xvlene	89.4	0	45-111	%REC	1	5/31/2011 05

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out



Advanced Technology Laboratories

Print Date: 01-Jun-11

CLIENT:

Southern California Edison

Client Sample ID: DP-6 S-1 @ 7'

Lab Order:

118103

Collection Date: 5/26/2011 11:52:00 AM

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

Matrix: SOIL

Lab ID:

118103-002

Analyses	Res	ult	PQL Qual	Units	DF	DF Date Analyzed	
HYDROCARBON CHAIN IDENTIF	ICATION						
l	_UFT		E	PA 8015B(M)			
RunID: GC16_110531A	QC Batch:	73188		Prep	Date:	5/27/2011 Analyst: CBR	
T/R Hydrocarbons: C8-C10		ND	10	mg/Kg	1	5/31/2011 11:36 AM	
T/R Hydrocarbons: C10-C18		ND	10	mg/Kg	1	5/31/2011 11:36 AM	
T/R Hydrocarbons: C18-C28		ND	10	mg/Kg	1	5/31/2011 11:36 AM	
T/R Hydrocarbons: C28-C36		ND	10	mg/Kg	1	5/31/2011 11:36 AM	
T/R Hydrocarbons: C36-C40		ND	10	mg/Kg	1	5/31/2011 11:36 AM	
T/R Hydrocarbons: C8-C40 Total		ND	10	mg/Kg	1	5/31/2011 11:36 AM	
Surr: p-Terphenyl		95.4	63-152	%REC	1	5/31/2011 11:36 AM	
HYDROCARBON CHAIN IDENTIF	ICATION						
			E	PA 8015B(M))		
RunID: GC2_110527A	QC Batch:	E11VS	3205	Prep	Date:	Analyst: TP	
T/R Hydrocarbons: C4-C12		ND	1.0	mg/Kg	1	5/27/2011 03:52 PM	
Surr: Bromofluorobenzene (FID)		120	62-153	%REC	1	5/27/2011 03:52 PM	

Qualifiers: B Analyte

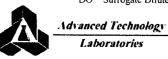
B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference

DO Surrogate Diluted Out

E Value above quantitation range



Advanced Technology Laboratories

gy Laboratories Print Date: 01-Jun-11

CLIENT: S

Southern California Edison

Client Sample ID: DP-6 S-1 @ 7'

Lab Order:

118103

Collection Date: 5/26/2011 11:52:00 AM

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

Matrix: SOIL

Lab ID:

118103-002

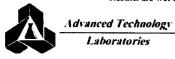
Analyses	Result	MDL	PQL Qual	Units	DF Da	ate Analyzed
PCBS BY GC/ECD						
	EPA 3550B		EPA	8082		
RunID: GC5_110531A	QC Batch: 732	13		PrepDate:	5/31/2011	Analyst: BB
Aroclor 1016	ND	4.6	16	μg/Kg	1	5/31/2011 05:4
Aroclor 1221	ND	2.7	33	μg/Kg	1	5/31/2011 05:4
Aroclor 1232	ND	2.1	16	μg/Kg	1	5/31/2011 05:4
Aroclor 1242	ND	2.3	16	μg/Kg	1	5/31/2011 05:4
Aroclor 1248	ND	2.9	16	μg/Kg	1	5/31/2011 05:4
Aroclor 1254	ND	3.0	16	μg/Kg	1	5/31/2011 05:4
Aroclor 1260	ND	4.2	16	μg/Kg	1	5/31/2011 05:4
Aroclor 1262	ND	2.7	16	μg/Kg	1	5/31/2011 05:4
Aroclor 1268	ND	3.7	16	μg/Kg	1	5/31/2011 05:4
Surr: Decachlorobiphenyl	86.4	0	39-122	%REC	1	5/31/2011 05:4
Surr: Tetrachloro-m-xylene	87.1	0	45-111	%REC	1	5/31/2011 05:4

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interferenc
- DO Surrogate Diluted Out



Advanced Technology Laboratories

CLIENT:

Southern California Edison

Client Sample ID: DP-7 S-1 @ 7'

Lab Order:

118103

Collection Date: 5/26/2011 12:12:00 PM

Print Date: 01-Jun-11

Project: WESTLAKE-CAPSTAN CIRCLE, 313725

Matrix: SOIL

Lab ID:

118103-003

Analyses	alyses Result		PQL Qual Units		DF	Date Analyzed	
HYDROCARBON CHAIN IDENTIF	ICATION						
ı	_UFT		E	PA 8015E	B(M)		
RunID: GC16_110531A	QC Batch:	73188			PrepDate:	5/27/2011 Analyst: CBR	
T/R Hydrocarbons: C8-C10		ND	10	mg/Kg	1	5/31/2011 11:47 AM	
T/R Hydrocarbons: C10-C18		ND	10	mg/Kg	1	5/31/2011 11:47 AM	
T/R Hydrocarbons: C18-C28		ND	10	mg/Kg	1	5/31/2011 11:47 AM	
T/R Hydrocarbons: C28-C36		ND	10	mg/Kg	1	5/31/2011 11:47 AM	
T/R Hydrocarbons: C36-C40		ND	10	mg/Kg	1	5/31/2011 11:47 AM	
T/R Hydrocarbons: C8-C40 Total		ND	10	mg/Kg	1	5/31/2011 11:47 AM	
Surr: p-Terphenyl	9	93.2	63-152	%REC	1	5/31/2011 11:47 AM	
HYDROCARBON CHAIN IDENTIF	ICATION						
			E	PA 8015	3(M)		
RunID: GC2_110527A	QC Batch:	E11VS	205		PrepDate:	Analyst: TP	
T/R Hydrocarbons: C4-C12		ND	1.0	mg/Kg	1	5/27/2011 04:07 PM	
Surr: Bromofluorobenzene (FID)		121	62-153	%REC	1	5/27/2011 04:07 PM	

Qualifiers:

Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference

DO Surrogate Diluted Out

E Value above quantitation range



Advanced Technology Laboratories

CLIENT:

Southern California Edison

Client Sample ID: DP-7 S-1 @ 7'

Lab Order:

118103

Collection Date: 5/26/2011 12:12:00 PM

Print Date: 01-Jun-11

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

Matrix: SOIL

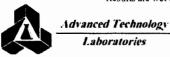
Lab ID:

118103-003

Analyses	Result	Result MDL		PQL Qual Units		DF Date Analyzed	
PCBS BY GC/ECD							
	EPA 3550B		EPA	8082			
RunID: GC5_110531A	QC Batch: 732	13		PrepDate:	5/31/2011	Analyst: BB	
Aroclor 1016	ND	4.6	16	μg/Kg	1	5/31/2011 06:1	
Aroclor 1221	ND	2.7	33	μg/Kg	1	5/31/2011 06:1	
Aroclor 1232	ND	2.1	16	μg/Kg	1	5/31/2011 06:1	
Aroclor 1242	ND	2.3	16	μg/Kg	1	5/31/2011 06:1	
Aroclor 1248	ND	2.9	16	μg/Kg	1	5/31/2011 06:1	
Aroclor 1254	ND	3.0	16	μg/Kg	1	5/31/2011 06:1	
Aroclor 1260	ND	4.2	16	μg/Kg	1	5/31/2011 06:1	
Aroclor 1262	ND	2.7	16	μg/Kg	1	5/31/2011 06:1	
Aroclor 1268	ND	3.7	16	μg/Kg	1	5/31/2011 06:1	
Surr: Decachlorobiphenyl	81.2	0	39-122	%REC	1	5/31/2011 06:1	
Surr: Tetrachloro-m-xylene	84.8	0	45-111	%REC	1	5/31/2011 06:1	

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interferenc
- DO Surrogate Diluted Out



Advanced Technology Laboratories

CLIENT:

Southern California Edison

WESTLAKE-CAPSTAN CIRCLE, 313725

Client Sample ID: DP-7 GW-1

Lab Order:

118103

Project:

Collection Date: 5/26/2011 1:28:00 PM

Matrix: GROUNDWATER

Print Date: 01-Jun-11

Lab ID:

118103-004

Analyse	es	Res	ult	PQL Q	ual Units	DF	Date A	nalyzed
DIESEI	L RANGE ORGANICS BY	GC/FID						
		EPA 3510C			EPA 8015	B(M)		
RunID:	GC16_110531D	QC Batch:	73200			PrepDate:	5/31/2011	Analyst: CBR
DRO			ND	0.20	mg/L	1	6/1/	2011 12:04 AM
Sur	r: p-Terphenyl		101	36-126	%REC	1	6/1/	2011 12:04 AM
HYDRO	DCARBON CHAIN IDENT	TIFICATION						
		EPA 3510C			EPA 8015	B(M)		
RunID:	GC16_110531D	QC Batch:	73200			PrepDate:	5/31/2011	Analyst: CBR
T/R H	ydrocarbons: C8-C10		ND	0.20	mg/L	1	6/1/	2011 12:04 AM
T/R H	ydrocarbons: C10-C18		ND	0.20	mg/L	1	6/1/	2011 12:04 AM
T/R H	ydrocarbons: C18-C28		ND	0.20	mg/L	1	6/1	2011 12:04 AM
T/R H	ydrocarbons: C28-C36		ND	0.20	mg/L	1	6/1/	2011 12:04 AM
T/R H	ydrocarbons: C36-C40		ND	0.20	mg/L	1	6/1	/2011 12:04 AM
T/R H	ydrocarbons: C8-C40 Total		ND	0.20	mg/L	1	6/1.	/2011 12:04 AM
Sur	rr: p-Terphenyl		101	35-131	%REC	1	6/1	/2011 12:04 AM
HYDRO	OCARBON CHAIN IDEN	TIFICATION						
					EPA 801	5B(M)		
RunID:	GC19_110527A	QC Batch:	M11V	W106		PrepDate:		Analyst: DDL
T/R H	ydrocarbons: C4-C12		ND	0.20	mg/L	1	5/27	7/2011 05:03 PM
Sui	rr: Bromofluorobenzene (FID)	96.7	70-130	%REC	1	5/27	7/2011 05:03 PM

Qualifiers:

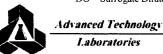
В Analyte detected in the associated Method Blank

Η Holding times for preparation or analysis exceeded

Spike/Surrogate outside of limits due to matrix interference

Surrogate Diluted Out

E Value above quantitation range



Advanced Technology Laboratories

CLIENT:

Southern California Edison

Client Sample ID: DP-7 GW-1

Lab Order:

118103

Collection Date: 5/26/2011 1:28:00 PM

WESTLAKE-CAPSTAN CIRCLE, 313725 Project:

Matrix: GROUNDWATER

Print Date: 01-Jun-11

Lab ID:

118103-004

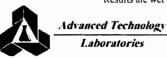
Analyses	Result	MDL	PQL Qual	PQL Qual Units		ate Analyzed
PCBS BY GC/ECD						
	EPA 3510C		EPA	8082		
RunID: GC5_110531B	QC Batch: 732	214		PrepDate:	5/31/2011	Analyst: BB
Aroclor 1016	ND	0.16	0.50	μg/L	1	6/1/2011 12:4
Aroclor 1221	ND	0.12	1.0	μg/L	1	6/1/2011 12:4
Aroclor 1232	ND	0.13	0.50	μg/L	1	6/1/2011 12:4
Aroclor 1242	ND	0.18	0.50	μg/L	1	6/1/2011 12:4
Aroclor 1248	ND	0.080	0.50	μg/L	1	6/1/2011 12:4
Aroclor 1254	ND	0.11	0.50	μg/L	1	6/1/2011 12:4
Aroclor 1260	ND	0.19	0.50	μg/L	1	6/1/2011 12:4
Aroclor 1262	ND	0.15	0.50	μg/L	1	6/1/2011 12:4
Aroclor 1268	ND	0.17	0.50	μg/L	1	6/1/2011 12:4
Surr: Decachlorobiphenyl	91.9	0	26-132	%REC	1	6/1/2011 12:4
Surr: Tetrachloro-m-xylene	92.8	0	43-119	%REC	1	6/1/2011 12:4

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

- E Value above quantitation range
- Analyte detected below quantitation limits
- Spike/Surrogate outside of limits due to matrix interferenc
- DO Surrogate Diluted Out



Advanced Technology Laboratories

CLIENT:

Southern California Edison

Client Sample ID: DP-7 DUPLICATE

Lab Order:

118103

Collection Date: 5/26/2011 1:28:00 PM

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

Matrix: GROUNDWATER

Print Date: 01-Jun-11

Lab ID:

118103-005

Analyse	S	Res	ult	PQL (Qual Ur	nits	DF	Date A	Analyzed
DIESEI	RANGE ORGANICS BY	GC/FID							
		EPA 3510C			EPA 8	8015B(M)			
RunID:	GC16_110531D	QC Batch:	73200			Prep	Date:	5/31/2011	Analyst: CBR
DRO			ND	0.20	m	ıg/L	1	6/	1/2011 12:14 AM
Sur	r: p-Terphenyl		102	36-126	%	REC	1	6/	1/2011 12:14 AM
HYDRO	CARBON CHAIN IDENT	IFICATION							
		EPA 3510C			EPA :	8015B(M)			
RunID:	GC16_110531D	QC Batch:	73200			Prep	Date:	5/31/2011	Analyst: CBR
T/R H	ydrocarbons: C8-C10		ND	0.20	m	ıg/L	1	6/	1/2011 12:14 AM
T/R H	ydrocarbons: C10-C18		ND	0.20	m	ng/L	1	6/	1/2011 12:14 AM
T/R H	ydrocarbons: C18-C28		ND	0.20	m	ng/L	1	6/	1/2011 12:14 AM
T/R H	ydrocarbons: C28-C36		ND	0.20	m	ng/L	1	6/	1/2011 12:14 AM
T/R H	ydrocarbons: C36-C40		ND	0.20	m	ng/L	1	6/	1/2011 12:14 AM
T/R H	ydrocarbons: C8-C40 Total		ND	0.20	m	ng/L	1	6/	1/2011 12:14 AM
Sur	r: p-Terphenyl		102	35-131	%	6REC	1	6/	1/2011 12:14 AM
HYDRO	DCARBON CHAIN IDENT	TIFICATION							
					EPA	8015B(M))		
RuniD:	GC19_110527A	QC Batch:	M11V	W106		Prep	Date:		Analyst: DDL
T/R H	ydrocarbons: C4-C12		ND	0.20	m	ng/L	1	5/2	27/2011 05:23 PN
Sui	т: Bromofluorobenzene (FID))	96.4	70-130	9/	6REC	1	5/2	27/2011 05:23 PN

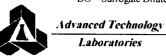
Qualifiers: B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference

DO Surrogate Diluted Out

- E Value above quantitation range
- ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



Advanced Technology Laboratories

CLIENT:

Southern California Edison

Client Sample ID: DP-7 DUPLICATE

Print Date: 01-Jun-11

Lab Order:

118103

Collection Date: 5/26/2011 1:28:00 PM

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

Matrix: GROUNDWATER

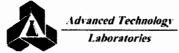
Lab ID:

118103-005

Analyses	Result	sult MDL PQL Qual Units		Units	DF Date Analyzed	
PCBS BY GC/ECD				-		
	EPA 3510C		EPA	8082		
RunID: GC5_110531B	QC Batch: 732	214		PrepDate:	5/31/2011	Analyst: BB
Aroclor 1016	ND	0.16	0.50	μg/L	1	6/1/2011 01:1
Aroclor 1221	ND	0.12	1.0	μg/L	1	6/1/2011 01:1
Aroclor 1232	ND	0.13	0.50	μg/L	1	6/1/2011 01:1
Aroclor 1242	ND	0.18	0.50	μg/L	1	6/1/2011 01:1
Aroclor 1248	ND	0.080	0.50	μg/L	1	6/1/2011 01:1
Aroclor 1254	ND	0.11	0.50	μg/L	1	6/1/2011 01:1
Aroclor 1260	ND	0.19	0.50	μg/L	1	6/1/2011 01:1
Aroclor 1262	ND	0.15	0.50	μg/L	1	6/1/2011 01:1
Aroclor 1268	ND	0.17	0.50	μg/L	1	6/1/2011 01:
Surr: Decachlorobiphenyl	83.8	0	26-132	%REC	1	6/1/2011 01:
Surr: Tetrachloro-m-xylene	86.8	0	43-119	%REC	1	6/1/2011 01:1

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Results are wet unless otherwise specified

- E Value above quantitation range
- J Analyte detected below quantitation limits
- Spike/Surrogate outside of limits due to matrix interferenc
- Surrogate Diluted Out



Advanced Technology Laboratories

Print Date: 01-Jun-11

CLIENT:

Southern California Edison

Client Sample ID: DP-6 GW-1

Lab Order:

118103

Collection Date: 5/26/2011 1:28:00 PM

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

Matrix: GROUNDWATER

Lab ID:

118103-006

Analyse	Analyses		ult	PQL	Qual Units	DF	Date Analyzed
DIESEI	L RANGE ORGANICS BY						
		EPA 3510C			EPA 801	5B(M)	
RuniD:	GC16_110531D	QC Batch:	73200			PrepDate:	5/31/2011 Analyst: CBR
DRO			ND	0.20	mg/L	1	6/1/2011 12:24 AM
Sur	rr: p-Terphenyl		103	36-126	%RE	0 1	6/1/2011 12:24 AM
HYDRO	OCARBON CHAIN IDEN	TIFICATION					
		EPA 3510C			EPA 801	5B(M)	
RunID:	GC16_110531D	QC Batch:	73200			PrepDate:	5/31/2011 Analyst: CBR
T/R H	lydrocarbons: C8-C10		ND	0.20	mg/L	1	6/1/2011 12:24 AM
T/R H	lydrocarbons: C10-C18		ND	0.20	mg/L	1	6/1/2011 12:24 AM
T/R H	lydrocarbons: C18-C28		ND	0.20	mg/L	1	6/1/2011 12:24 AM
T/R H	lydrocarbons: C28-C36		ND	0.20	mg/L	1	6/1/2011 12:24 AM
T/R H	lydrocarbons: C36-C40		ND	0.20	mg/L	1	6/1/2011 12:24 AM
T/R H	lydrocarbons: C8-C40 Total		ND	0.20	mg/L	1	6/1/2011 12:24 AM
Su	rr: p-Terphenyl		103	35-131	%RE	C 1	6/1/2011 12:24 AM
HYDR	OCARBON CHAIN IDEN	TIFICATION					
					EPA 801	5B(M)	
RuniD:	GC19_110527A	QC Batch:	M11V	W106		PrepDate:	Analyst: DDL
T/R H	lydrocarbons: C4-C12		ND	0.20	mg/L	1	5/27/2011 05:42 PM
Su	т: Bromofluorobenzene (FID)	96.6	70-130	%RE	C 1	5/27/2011 05:42 PM

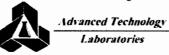
Qualifiers: Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

Spike/Surrogate outside of limits due to matrix interference

DO Surrogate Diluted Out

E Value above quantitation range



Print Date: 01-Jun-11

Advanced Technology Laboratories

CLIENT:

Southern California Edison

WESTLAKE-CAPSTAN CIRCLE, 313725

Client Sample ID: DP-6 GW-1

Lab Order:

118103

Collection Date: 5/26/2011 1:28:00 PM

Matrix: GROUNDWATER

Project: Lab ID:

118103-006

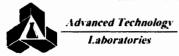
Analyses	Result	MDL	PQL Qual	Units	DF Date Analyzed	
PCBS BY GC/ECD						
	EPA 3510C		EPA	8082		
RunID: GC5_110531B	QC Batch: 73	214		PrepDate:	5/31/2011	Analyst: BB
Aroclor 1016	ND	0.16	0.50	μg/L	1	6/1/2011 01:4
Aroclor 1221	ND	0.12	1.0	μg/L	1	6/1/2011 01:4
Aroclor 1232	ND	0.13	0.50	μg/L	1	6/1/2011 01:4
Aroclor 1242	ND	0.18	0.50	μg/L	1	6/1/2011 01:4
Aroclor 1248	ND	0.080	0.50	μg/L	1	6/1/2011 01:4
Aroclor 1254	ND	0.11	0.50	μg/L	1	6/1/2011 01:4
Aroclor 1260	ND	0.19	0.50	μg/L	1	6/1/2011 01:4
Aroclor 1262	ND	0.15	0.50	μg/L	1	6/1/2011 01:4
Aroclor 1268	ND	0.17	0.50	μg/L	1	6/1/2011 01:4
Surr: Decachlorobiphenyl	84.4	0	26-132	%REC	1	6/1/2011 01:4
Surr: Tetrachloro-m-xvlene	85.3	0	43-119	%REC	1	6/1/2011 01:4

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out



Advanced Technology Laboratories

Print Date: 01-Jun-11

CLIENT:

Southern California Edison

Client Sample ID: EQUIPMENT RINSE

Lab Order:

118103

Collection Date: 5/26/2011 2:50:00 PM

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

Matrix: DRINKING WATER

Lab ID:

118103-007

Analyses	Res	ult	PQL Qu	ıal Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY	GC/FID					
	EPA 3510C			EPA 8015	B(M)	
RunID: GC16_110531D	QC Batch:	73200			PrepDate:	5/31/2011 Analyst: CBR
DRO		ND	0.20	mg/L	1	6/1/2011 12:33 AM
Surr: p-Terphenyl		74.8	36-126	%REC	1	6/1/2011 12:33 AM
HYDROCARBON CHAIN IDENTI	FICATION					
	EPA 3510C			EPA 8015	B(M)	
RunID: GC16_110531D	QC Batch:	73200			PrepDate:	5/31/2011 Analyst: CBR
T/R Hydrocarbons: C8-C10		ND	0.20	mg/L	1	6/1/2011 12:33 AM
T/R Hydrocarbons: C10-C18		ND	0.20	mg/L	1	6/1/2011 12:33 AM
T/R Hydrocarbons: C18-C28		ND	0.20	mg/L	1	6/1/2011 12:33 AM
T/R Hydrocarbons: C28-C36		ND	0.20	mg/L	1	6/1/2011 12:33 AM
T/R Hydrocarbons: C36-C40		ND	0.20	mg/L	1	6/1/2011 12:33 AM
T/R Hydrocarbons: C8-C40 Total		ND	0.20	mg/L	1	6/1/2011 12:33 AM
Surr: p-Terphenyl		74.8	35-131	%REC	1	6/1/2011 12:33 AM
HYDROCARBON CHAIN IDENTI	FICATION					
				EPA 8015	5B(M)	
RunID: GC19_110527A	QC Batch:	M11V	W106		PrepDate:	Analyst: DDL
T/R Hydrocarbons: C4-C12		ND	0.20	mg/L	1	5/27/2011 06:02 PM
Surr: Bromofluorobenzene (FID)		97.4	70-130	%REC	1	5/27/2011 06:02 PM

Qualifiers:

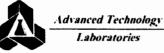
Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference

DO Surrogate Diluted Out

- E Value above quantitation range
- ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified



Advanced Technology Laboratories

CLIENT:

Southern California Edison

Lab Order:

118103

Client Sample ID: EQUIPMENT RINSE
Collection Date: 5/26/2011 2:50:00 PM

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

Matrix: DRINKING WATER

Print Date: 01-Jun-11

Lab ID:

118103-007

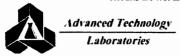
Analyses	Result	ult MDL PQL Qual Units		Units	DF Date Analyzed		
PCBS BY GC/ECD							
	EPA 3510C		EPA	8082			
RunID: GC5_110531B	QC Batch: 732	214		PrepDate:	5/31/2011	Analyst: BB	
Aroclor 1016	ND	0.16	0.50	μg/L	1	6/1/2011 02:1	
Aroclor 1221	ND	0.12	1.0	μg/L	1	6/1/2011 02:1	
Aroclor 1232	ND	0.13	0.50	μg/L	1	6/1/2011 02:	
Aroclor 1242	ND	0.18	0.50	μg/L	1	6/1/2011 02:	
Aroclor 1248	ND	0.080	0.50	μg/L	1	6/1/2011 02:	
Aroclor 1254	ND	0.11	0.50	μg/L	1	6/1/2011 02:	
Aroclor 1260	ND	0.19	0.50	μg/L	1	6/1/2011 02:	
Aroclor 1262	ND	0.15	0.50	μg/L	1	6/1/2011 02:	
Aroclor 1268	ND	0.17	0.50	μg/L	1	6/1/2011 02:	
Surr: Decachlorobiphenyl	88.6	0	26-132	%REC	1	6/1/2011 02:	
Surr: Tetrachloro-m-xylene	87.5	0	43-119	%REC	1	6/1/2011 02:	

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out



Advanced Technology Laboratories

CLIENT:

Southern California Edison

Work Order:

118103

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

Date: 01-Jun-11

ANALYTICAL QC SUMMARY REPORT

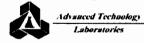
BatchID: 73188

e: 8015_S_DM H Units: mg/Kg		Prep Date: 5/27/2011	RunNo: 133439		
DE EPA 8015B(M LUFT	Ana	alysis Date: 5/31/2011	SeqNo: 2177307		
SPK value SPK Ref Val	%REC L	owLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual		
1000 0	92.3	76 139			
80.00	113	63 152			
e: 8015_S_DM H Units: mg/Kg		Prep Date: 5/27/2011	RunNo: 133439		
: EPA 8015B(M LUFT	Ana	alysis Date: 5/31/2011	SeqNo: 2177308		
SPK value SPK Ref Val	%REC Lo	owLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual		
80.00	115	63 152			
: 8015_S_DM H Units: mg/Kg		Prep Date: 5/27/2011	RunNo: 133439		
:: 8015_S_DM H Units: mg/Kg :: EPA 8015B(M LUFT		Prep Date: 5/27/2011 alysis Date: 5/31/2011	RunNo: 133439 SeqNo: 2177309		
	Ana	•			
EPA 8015B(M LUFT	Ana	alysis Date: 5/31/2011	SeqNo: 2177309		
SPK value SPK Ref Val	Ana	alysis Date: 5/31/2011 owLimit HighLimit RPD Ref Val	SeqNo: 2177309		
SPK value SPK Ref Val 1000 12.65	91.7 115	alysis Date: 5/31/2011 owLimit HighLimit RPD Ref Val 60 158	SeqNo: 2177309		
SPK value SPK Ref Val 1000 12.65 80.00	91.7 115	alysis Date: 5/31/2011 owLimit HighLimit RPD Ref Val 60 158 63 152	SeqNo: 2177309 %RPD RPDLimit Qual		
SPK value SPK Ref Val 1000 12.65 80.00 : 8015_S_DM H Units: mg/Kg	91.7 115	alysis Date: 5/31/2011 owLimit HighLimit RPD Ref Val 60 158 63 152 Prep Date: 5/27/2011	SeqNo: 2177309 %RPD RPDLimit Qual RunNo: 133439		
SPK value SPK Ref Val 1000 12.65 80.00 12.65 EPA 8015_S_DM H Units: mg/Kg	91.7 115	alysis Date: 5/31/2011 owLimit HighLimit RPD Ref Val 60 158 63 152 Prep Date: 5/27/2011 alysis Date: 5/31/2011	SeqNo: 2177309 %RPD RPDLimit Qual RunNo: 133439 SeqNo: 2177310		
	1000 0 80.00 e: 8015_S_DM H Units: mg/Kg b: EPA 8015B(M LUFT SPK value SPK Ref Val	D: EPA 8015B(M LUFT And SPK value SPK Ref Val %REC L 1000 0 92.3 80.00 113 113 113 113 113 113 113 113 113 1	DESTRUCTION SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val 1000 0 92.3 76 139 80.00 113 63 152 e: 8015_S_DM H Units: mg/Kg Prep Date: 5/27/2011 DEPA 8015B(M LUFT Analysis Date: 5/31/2011 SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val		

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

- Value above quantitation range
- RPD outside accepted recovery limits Calculations are based on raw values

- Holding times for preparation or analysis exceeded
- Spike/Surrogate outside of limits due to matrix interference



Southern California Edison

Work Order:

118103

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73188

Sample ID: MB-73188	SampType: MBLK	TestCode: HC_S_ATL Units: mg/Kg				Prep Da	te: 5/27/2011	RunNo: 133439	
Client ID: PBS	Batch ID: 73188	TestNo	TestNo: EPA 8015B(M LUFT			Analysis Da	te: 5/31/2011	SeqNo: 2177321	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD R	tef Val %RPD RPDLim	it Qual
T/R Hydrocarbons: C8-C10	ND	10				-			
T/R Hydrocarbons: C10-C18	ND	10							
T/R Hydrocarbons: C18-C28	ND	10							
T/R Hydrocarbons: C28-C36	ND	10							
T/R Hydrocarbons: C36-C40	ND	10							
T/R Hydrocarbons: C8-C40 Total	ND	10							
Surr: p-Terphenyl	91.900		80.00		115	63	152		

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

- E Value above quantitation range
- R RPD outside accepted recovery limits Calculations are based on raw values

- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



Southern California Edison

Work Order:

118103

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73200

Sample ID: MB-73200	SampType: MBLK	TestCode: 8015 W DSL Units: mg/L	Prep Date: 5/31/2011	RunNo: 133477
Client ID: PBW	Batch ID: 73200	TestNo: EPA 8015B(M EPA 3510C	Analysis Date: 5/31/2011	SeqNo: 2178166
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
DRO	ND	0.20		
Surr: p-Terphenyl	0.063	0.08000	78.1 36 126	
Sample ID: LCS-73200	SampType: LCS	TestCode: 8015_W_DSL Units: mg/L	Prep Date: 5/31/2011	RunNo: 133477
Client ID: LCSW	Batch ID: 73200	TestNo: EPA 8015B(M EPA 3510C	Analysis Date: 5/31/2011	SeqNo: 2178167
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
DRO	0.668	0.20 1.000 0	66.8 52 128	
Surr: p-Terphenyl	0.068	0.08000	85.4 36 126	
Sample ID: MB-73200MS	SampType: MS	TestCode: 8015_W_DSL Units: mg/L	Prep Date: 5/31/2011	RunNo: 133477
Client ID: ZZZZZZ	Batch ID: 73200	TestNo: EPA 8015B(M EPA 3510C	Analysis Date: 5/31/2011	SeqNo: 2178168
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
DRO	0.602	0.20 1.000 0	60.2 52 128	
Surr: p-Terphenyl	0.065	0.08000	81.8 36 126	
Sample ID: MB-73200MSD	SampType: MSD	TestCode: 8015_W_DSL Units: mg/L	Prep Date: 5/31/2011	RunNo: 133477
Client ID: ZZZZZZ	Batch ID: 73200	TestNo: EPA 8015B(M EPA 3510C	Analysis Date: 5/31/2011	SeqNo: 2178169
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
DRO	0.592	0.20 1.000 0	59.2 52 128 0.6016	1.61 20
Surr: p-Terphenyl	0.067	0.08000	83.7 36 126	0 0
Sample ID: MB-73200	SampType: MBLK	TestCode: HC_W_ATL Units: mg/L	Prep Date: 5/31/2011	RunNo: 133477
Client ID: PBW	Batch ID: 73200	TestNo: EPA 8015B(M EPA 3510C	Analysis Date: 5/31/2011	SeqNo: 2178207
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
T/R Hydrocarbons: C8-C10	ND	0.20		

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

- Value above quantitation range
- RPD outside accepted recovery limits Calculations are based on raw values

- Holding times for preparation or analysis exceeded
- Spike/Surrogate outside of limits due to matrix interference



Southern California Edison

Work Order:

118103

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

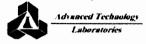
BatchID: 73200

Sample ID: MB-73200	SampType: MBLK	TestCo	de: HC_W_AT	L Units: mg/L		Prep Da	te: 5/31/20)11	RunNo: 13	3477	
Client ID: PBW	Batch ID: 73200	Test	No: EPA 8015	B(M EPA 3510C		Analysis Da	te: 5/31/2 0	11	SeqNo: 217	78207	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C18	ND	0.20						<u></u>			
T/R Hydrocarbons: C18-C28	ND	0.20									
T/R Hydrocarbons: C28-C36	ND	0.20									
T/R Hydrocarbons: C36-C40	ND	0.20									
T/R Hydrocarbons: C8-C40 Total	ND	0.20									
Surr: p-Terphenyl	0.063		0.08000		78.1	35	131				

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

- Value above quantitation range
- RPD outside accepted recovery limits Calculations are based on raw values

- Holding times for preparation or analysis exceeded
- Spike/Surrogate outside of limits due to matrix interference



Southern California Edison

Work Order:

118103

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

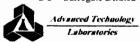
ANALYTICAL QC SUMMARY REPORT

BatchID: E11VS205

Sample ID: E110527LC1	SampType: LCS	TestCo	de: HC_S_VC	OAC Units: mg/Kg		Prep Da	ate:		RunNo: 13	3435	
Client ID: LCSS	Batch ID: E11VS205	Test	No: EPA 8015	B(M		Analysis Da	ate: 5/27/20	011	SeqNo: 21	77261	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.316	1.0	5.000	0	106	70	130				
Surr: Bromofluorobenzene (FII	D) 115.158		100.0		115	62	153				
Sample ID: E110527MB1MS	SampType: MS	TestCo	de: HC_S_V O	AC Units: mg/Kg		Prep Da	ate:		RunNo: 13	3435	
Client ID: ZZZZZZ	Batch ID: E11VS205	Test	No: EPA 8015	B(M		Analysis Da	ate: 5/27/20	011	SeqNo: 217	77262	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.996	1.0	5.000	0	99.9	49	131				
Surr: Bromofluorobenzene (FII	D) 109.666		100.0		110	56	137				
Sample ID: E110527MB1MSD	SampType: MSD	TestCo	de: HC_S_VO	AC Units: mg/Kg		Prep Da	ite:		RunNo: 133	3435	
Client ID: ZZZZZZ	Batch ID: E11VS205	Testi	No: EPA 8015	B(M		Analysis Da	ite: 5/27/20)11	SeqNo: 217	77263	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	5.099	1.0	5.000	0	102	49	131	4.996	2.04	20	
Surr: Bromofluorobenzene (FIE	D) 111.759		100.0		112	56 	137		0	0	
Sample ID: E110527MB1	SampType: MBLK	TestCod	de: HC_S_VO	AC Units: mg/Kg		Prep Da	te:		RunNo: 133	3435	
Client ID: PBS	Batch ID: E11VS205	Test N	No: EPA 8015 I	B(M		Analysis Da	te: 5/27/2 0	11	SeqNo: 217	77264	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	ND	1.0	400.0		400		450				
Surr: Bromofluorobenzene (FID	0) 102.820		100.0		103	62	153				
Sample ID: 118079-001AMS	SampType: MS	TestCod	de: HC_S_VO	AC Units: mg/Kg		Prep Da	te:		RunNo: 133	3435	
Client ID: ZZZZZZ	Batch ID: E11VS205	TestN	lo: EPA 8015	3(M		Analysis Da	te: 5/27/20	11	SeqNo: 217	77266	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.939	1.0	5.000	0.3350	92.1	49	131			· · · · ·	
Qualifiers:											
B Analyte detected in the as	sociated Method Blank		Value above qu	antitation range				g times for prepar	-		
ND Not Detected at the Reno	rting Limit	Þ	RPD outside ac	cented recovery limite			S Snike/	Surrogata outsida	of limits due to	matrix interfer	rence

- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

R RPD outside accepted recovery limits Calculations are based on raw values S Spike/Surrogate outside of limits due to matrix interference



Southern California Edison

Work Order:

118103

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

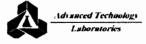
BatchID: E11VS205

Sample ID: 118079-001AMS	SampType: MS	TestCod	de: HC_S_VO	AC Units: mg/Kg		Prep Da	te:		RunNo: 133		
Client ID: ZZZZZZ	Batch ID: E11VS205	TestN	No: EPA 8015	B(M		Analysis Da	te: 5/27/2 0)11	SeqNo: 2177266		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	127.909		100.0		128	56	137				
Sample ID: 118079-001AMSD	SampType: MSD	TestCoo	de: HC_S_VO	AC Units: mg/Kg		Prep Da	te:		RunNo: 133	3435	
Client ID: ZZZZZZ	Batch ID: E11VS205	TestN	lo: EPA 8015	B(M		Analysis Da	te: 5/27/2 0)11	SeqNo: 217	77267	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	4.766	1.0	5.000	0.3350	88.6	49	131	4.939	3.57	20	
Surr: Bromofluorobenzene (FID)	129.827		100.0		130	56	137		0	0	

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

- Value above quantitation range
- RPD outside accepted recovery limits Calculations are based on raw values

- Holding times for preparation or analysis exceeded
- Spike/Surrogate outside of limits due to matrix interference



Southern California Edison

Work Order:

118103

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

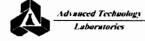
BatchID: M11VW106

Sample ID: M110527LCS2	SampType: LCS			DAC Units: mg/L		Prep Da			RunNo: 133		
Client ID: LCSW	Batch ID: M11VW106	TestN	lo: EPA 8015	В(М		Analysis Da	ite: 5/27/20)11	SeqNo: 217	7021	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	1.018	0.20	1.000	0	102	70	130				
Surr: Bromofluorobenzene (FID) 102.112		100.0		102	70	130				
Sample ID: M110527MB1MS	SampType: MS	TestCoo	de: HC_W_VC	DAC Units: mg/L		Prep Da	te:		RunNo: 133	428	
Client ID: ZZZZZZ	Batch ID: M11VW106	TestN	lo: EPA 8015	B(M		Analysis Da	te: 5/27/2 0)11	SeqNo: 217	7022	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C4-C12	1.013	0.20	1.000	0	101	70	130				
Surr: Bromofluorobenzene (FID)) 100.687		100.0		101	70	130				
Sample ID: M110527MB1MSD	SampType: MSD	TestCod	le: HC_W_VC	AC Units: mg/L		Prep Dat	te:		RunNo: 133	428	
Client ID: ZZZZZZ	D-4-5 ID: \$444\(04400	Tooth	lo: EPA 8015	B(M		Analysis Dat	te: 5/27/20	11	SeqNo: 217	7023	
Client ID. ZZZZZZ	Batch ID: M11VW106	I CSUV	, , , , , , , , , , , , , , , , ,	•		,,					
Analyte	Result	PQL		SPK Ref Val	%REC		HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
				SPK Ref Val			HighLimit	RPD Ref Val	%RPD 0.982	RPDLimit 20	Qual
Analyte	Result	PQL	SPK value		%REC	LowLimit					Qual
Analyte T/R Hydrocarbons: C4-C12	Result	PQL 0.20	SPK value 1,000 100.0		%REC	LowLimit	130 130		0.982	20 0	Qual
Analyte T/R Hydrocarbons: C4-C12 Surr: Bromofluorobenzene (FID)	Result 1.023 102.295	PQL 0.20	SPK value 1,000 100.0	0 AC Units: mg/L	%REC 102 102	LowLimit 70 70	130 130	1.013	0.982	20 0	Qual
Analyte T/R Hydrocarbons: C4-C12 Surr: Bromofluorobenzene (FID) Sample ID: M110527MB1	Result 1.023 102.295 SampType: MBLK	PQL 0.20	1.000 100.0 e: HC_W_VO	0 AC Units: mg/L	%REC 102 102	LowLimit 70 70 Prep Date	130 130 te: te: 5/27/20	1.013	0.982 0 RunNo: 133	20 0	Qual
Analyte T/R Hydrocarbons: C4-C12 Surr: Bromofluorobenzene (FID) Sample ID: M110527MB1 Client ID: PBW	Result 1.023 102.295 SampType: MBLK Batch ID: M11VW106	PQL 0.20 TestCod TestN	1.000 100.0 e: HC_W_VO	0 PAC Units: mg/L	%REC 102 102	LowLimit 70 70 Prep Dat Analysis Dat	130 130 te: te: 5/27/20	1.013	0.982 0 RunNo: 133 SeqNo: 217	20 0 428 7024	

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

- E Value above quantitation range
- R RPD outside accepted recovery limits Calculations are based on raw values

- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



Date: 01-Jun-11

CLIENT:

Southern California Edison

Work Order:

118103

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73213

Sample ID: MB-73213	SampType: MBLK	TestCode: 8082_S	Units: μg/Kg		Prep Date	5/31/201	1	RunNo: 13	3469	
Client ID: PBS	Batch ID: 73213	TestNo: EPA 808	EPA 3550B		Analysis Date	: 5/31/201	1	SeqNo: 21	77854	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16								
Aroclor 1221	ND	16								
Aroclor 1232	ND	16								
Aroclor 1242	ND	16								
Aroclor 1248	ND	16								
Aroclor 1254	ND	16								
Aroclor 1260	ND	16								
Aroclor 1262	ND	16								
Aroclor 1268	ND	16								
Surr: Decachlorobiphenyl	15.539	16.67		93.2	39	122				
Surr: Tetrachloro-m-xylene	17.552	16.67		105	45	111				
Sample ID: LCS-73213	SampType: LCS	TestCode: 8082_S	Units: µg/Kg		Prep Date	5/31/201	1	RunNo: 13	3469	
Client ID: LCSS	Batch ID: 73213	TestNo: EPA 8082	EPA 3550B		Analysis Date	5/31/201	1	SeqNo: 21	77855	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit I	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	126.295	16 166.7	0	75.8	56	106				
Aroclor 1260	147.104	16 166.7	0	88.3	57	119				
Surr: Decachlorobiphenyl	13.351	16.67		80.1	39	122				
Surr: Tetrachloro-m-xylene	14.506	· 16.67		87.0	45	111				
Sample ID: 118102-001AMS	SampType: MS	TestCode: 8082_S	Units: µg/Kg		Prep Date:	5/31/201	1	RunNo: 133	3469	
Client ID: ZZZZZZ	Batch ID: 73213	TestNo: EPA 8082	EPA 3550B		Analysis Date:	5/31/201	1	SeqNo: 217	7856	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit F	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	115.071	16 166.7	0	69.0	48	115				
Aroclor 1260	139.069	16 166.7	0	83.4	48	133				

Qualifiers:

B Analyte detected in the associated Method Blank Value above quantitation range

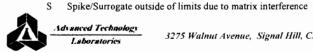
Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits Calculations are based on raw values



Southern California Edison

Work Order:

118103

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73213

Sample ID: 118102-001AMS	SampType: MS	TestCode: 8082_S	Units: µg/Kg		Prep Dat	e: 5/31/2 0	11	RunNo: 13	3469	
Client ID: ZZZZZZ	Batch ID: 73213	TestNo: EPA 8082	EPA 3550B		Analysis Dat	e: 5/31/2 0	11	SeqNo: 21	77856	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	13.716	16.67		82.3	45	111				
Surr: Tetrachloro-m-xylene	13.716	10.67		62.3	40					
Sample ID: 118102-001AMSD	SampType: MSD	TestCode: 8082_S	Units: µg/Kg		Prep Dat	e: 5/31/2 0	11	RunNo: 133	3469	
Client ID: ZZZZZZ	Batch ID: 73213	TestNo: EPA 8082	EPA 3550B		Analysis Dat	e: 5/31/2 0	11	SeqNo: 217	77857	
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	113.800	16 166.7	0	68.3	48	115	115.1	1.11	20	
Aroclor 1260	139.004	16 166.7	0	83.4	48	133	139.1	0.0468	20	
Surr: Decachlorobiphenyl	11.688	16.67		70.1	39	122		0	20	
Surr: Tetrachloro-m-xylene	13.800	16.67		82.8	45	111		0	0	
Sample ID: MB-73213	SampType: MBLK	TestCode: 8082_S_M	DL Units: µg/Kg		Prep Date	e: 5/31/20	11	RunNo: 133	3469	
Sample ID: MB-73213 Client ID: PBS	SampType: MBLK Batch ID: 73213	TestCode: 8082_S_M TestNo: EPA 8082	DL Units: µg/Kg EPA 3550B		Prep Date Analysis Date			RunNo: 133 SeqNo: 217		
1		TestNo: EPA 8082		%REC	Analysis Date	e: 5/31/20				Qual
Client ID: PBS	Batch ID: 73213	TestNo: EPA 8082	EPA 3550B	%REC	Analysis Date	e: 5/31/20	11	SeqNo: 217	77868	Qual
Client ID: PBS Analyte	Batch ID: 73213 Result	TestNo: EPA 8082	EPA 3550B	%REC	Analysis Date	e: 5/31/20	11	SeqNo: 217	77868	Qual
Client ID: PBS Analyte Aroclor 1016	Batch ID: 73213 Result	TestNo: EPA 8082 PQL SPK value	EPA 3550B	%REC	Analysis Date	e: 5/31/20	11	SeqNo: 217	77868	Qual
Client ID: PBS Analyte Aroclor 1016 Aroclor 1221	Batch ID: 73213 Result ND ND	TestNo: EPA 8082 PQL SPK value 16 33	EPA 3550B	%REC	Analysis Date	e: 5/31/20	11	SeqNo: 217	77868	Qual
Client ID: PBS Analyte Aroclor 1016 Aroclor 1221 Aroclor 1232	Result ND ND ND	TestNo: EPA 8082 PQL SPK value 16 33 16	EPA 3550B	%REC	Analysis Date	e: 5/31/20	11	SeqNo: 217	77868	Qual
Client ID: PBS Analyte Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242	Result ND ND ND ND ND ND ND	TestNo: EPA 8082 PQL SPK value 16 33 16 16	EPA 3550B	%REC	Analysis Date	e: 5/31/20	11	SeqNo: 217	77868	Qual
Client ID: PBS Analyte Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248	Result ND ND ND ND ND ND ND ND ND ND ND ND	TestNo: EPA 8082 PQL SPK value 16 33 16 16 16	EPA 3550B	%REC	Analysis Date	e: 5/31/20	11	SeqNo: 217	77868	Qual
Client ID: PBS Analyte Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254	Result ND ND ND ND ND ND ND ND ND ND ND ND ND	TestNo: EPA 8082 PQL SPK value 16 33 16 16 16 16	EPA 3550B	%REC	Analysis Date	e: 5/31/20	11	SeqNo: 217	77868	Qual
Client ID: PBS Analyte Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	Result ND ND ND ND ND ND ND ND ND ND ND ND ND	TestNo: EPA 8082 PQL SPK value 16 33 16 16 16 16 16	EPA 3550B	%REC	Analysis Date	e: 5/31/20	11	SeqNo: 217	77868	Qual
Client ID: PBS Analyte Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Aroclor 1262	Result ND ND ND ND ND ND ND ND ND ND ND ND ND	TestNo: EPA 8082 PQL SPK value 16 33 16 16 16 16 16 16	EPA 3550B	%REC	Analysis Date	e: 5/31/20	11	SeqNo: 217	77868	Qual

Qualifiers:

B Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

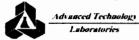
Value above quantitation range E

ND Not Detected at the Reporting Limit

S Spike/Surrogate outside of limits due to matrix interference

DO Surrogate Diluted Out

- Holding times for preparation or analysis exceeded
- RPD outside accepted recovery limits Calculations are based on raw values



Southern California Edison

Work Order:

118103

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73213

Sample ID: LCS-73213	SampType: LCS	TestCo	de: 8082_S_M	DL Units: μg/Kg		Prep Date	e: 5/31/2 0	11	RunNo: 133	3469	
Client ID: LCSS	Batch ID: 73213	Test	No: EPA 8082	EPA 3550B		Analysis Date	e: 5/31/2 0	111	SeqNo: 217	77869	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	126.295	16	166.7	0	75.8	56	106				
Aroclor 1260	147.104	16	166.7	0	88.3	57	119				
Surr: Decachlorobiphenyl	13.351		16.67		80.1	39	122				
Surr: Tetrachloro-m-xylene	14.506		16.67		87.0	45	111				
Sample ID: 118102-001AMS	SampType: MS	TestCod	de: 8082_S_M	DL Units: µg/Kg		Prep Date	e: 5/31/20	11	RunNo: 13 3	3469	
Client ID: ZZZZZZ	Batch ID: 73213	TestN	lo: EPA 8082	EPA 3550B		Analysis Date	e: 5/31/20	11	SeqNo: 217	77870	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	115.071	16	166.7	0	69.0	51	108				
Aroclor 1260	139.069	16	166.7	0	83.4	53	120				
Surr: Decachlorobiphenyl	11.821		16.67		70.9	48	115				
Surr: Tetrachloro-m-xylene	13.716		16.67		82.3	48	133				
Sample ID: 118102-001AMSD	SampType: MSD	TestCod	le: 8082_S_M	DL Units: µg/Kg		Prep Date	: 5/31/20	11	RunNo: 133	469	
Client ID: ZZZZZZ	Batch ID: 73213	TestN	lo: EPA 8082	EPA 3550B		Analysis Date	: 5/31/20	11	SeqNo: 217	7871	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	113.800	16	166.7	0	68.3	48	115	115.1	1.11	20	
Aroclor 1260	139.004	16	166.7	0	83.4	48	133	139.1	0.0468	20	
Surr: Decachlorobiphenyl	11.688		16.67		70.1	39	122		0	20	
Surr: Tetrachloro-m-xylene	13.800		16.67		82.8	45	111		0	0	

Qualifiers:

B Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

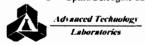
Value above quantitation range

Not Detected at the Reporting Limit

Spike/Surrogate outside of limits due to matrix interference DO Surrogate Diluted Out

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits Calculations are based on raw values



Southern California Edison

Work Order:

118103

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73214

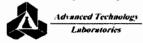
Sample ID: MB-73214	SampType: MBLK	TestCode: 8082_W_MDL Units: µg/L	Prep Date: 5/31/2011	RunNo: 133471
Client ID: PBW	Batch ID: 73214	TestNo: EPA 8082 EPA 3510C	Analysis Date: 5/31/2011	SeqNo: 2177911
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Aroclor 1016	ND	0.50		
Aroclor 1221	ND	1.0		
Aroclor 1232	ND	0.50		
Aroclor 1242	ND	0.50		
Aroclor 1248	ND	0.50		
Aroclor 1254	ND	0.50		
Aroclor 1260	ND	0.50		
Aroclor 1262	ND	0.50		
Aroclor 1268	ND	0.50		
Surr: Decachlorobiphenyl	0.434	0.5000	86.8 26 132	
Surr: Tetrachloro-m-xylene	0.484	0.5000	96.8 43 119	
Sample ID: LCS-73214	SampType: LCS	TestCode: 8082_W_MDL Units: µg/L	Prep Date: 5/31/2011	RunNo: 133471
Client ID: LCSW	Potob ID: 73344	Toothlo: EDA 9092 EDA 2540C	Applyeis Date: E/34/2011	SegNo: 2177912

Sample ID: LCS-73214	SampType: LCS	TestCo	de: 8082_W_ I	IDL Units: µg/L		Prep Da	te: 5/31/2 0	11	RunNo: 133	3471	
Client ID: LCSW	Batch ID: 73214	Test	No: EPA 8082	EPA 3510C		Analysis Da	te: 5/31/20	11	SeqNo: 217	77912	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.094	0.50	5.000	0	81.9	53	115				
Aroclor 1260	4.540	0.50	5.000	0	90.8	52	125				
Surr: Decachlorobiphenyl	0.428		0.5000		85.6	26	132				
Surr: Tetrachloro-m-xylene	0.448		0.5000		89.5	43	119				

Sample ID: MB-73214MS Client ID: ZZZZZZ	SampType: MS Batch ID: 73214		de: 8082_W_M No: EPA 8082								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.469	0.50	5.000	0	69.4	53	115				
Aroclor 1260	3.828	0.50	5.000	0	76.6	52	125				
Surr: Decachlorobiphenyl	0.354		0.5000		70.8	26	132				
Surr: Tetrachloro-m-xylene	0.383		0.5000		76.5	43	119				

- B Analyte detected in the associated Method Blank
- Analyte detected below quantitation limits
- Value above quantitation range
- Not Detected at the Reporting Limit
- Spike/Surrogate outside of limits due to matrix interference DO Surrogate Diluted Out

- Holding times for preparation or analysis exceeded
- RPD outside accepted recovery limits Calculations are based on raw values



Southern California Edison

Work Order:

118103

Project:

WESTLAKE-CAPSTAN CIRCLE, 313725

ANALYTICAL QC SUMMARY REPORT

BatchID: 73214

Sample ID: MB-73214MSD Client ID: ZZZZZZ	SampType: MSD Batch ID: 73214		de: 8082_W_N do: EPA 8082	IDL Units: µg/L EPA 3510C	Prep Date: 5/31/2011 Analysis Date: 6/1/2011			RunNo: 133 SeqNo: 217			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.544	0.50	5.000	0	70.9	53	115	3.469	2.17	20	
Aroclor 1260	3.914	0.50	5.000	0	78.3	52	125	3.828	2.21	20	
Surr: Decachlorobiphenyl	0.362		0.5000		72.3	26	132		0	0	
Surr: Tetrachloro-m-xylene	0.392		0.5000		78.4	43	119		0	0	

Qualifiers:

B Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Spike/Surrogate outside of limits due to matrix interference

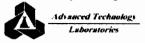
E Value above quantitation range

ND Not Detected at the Reporting Limit

DO Surrogate Diluted Out

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits Calculations are based on raw values



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Cli	ent: Southern Cal	ifornia Edison			Addre	ss: 300 N. Lor	ne Hill Aveni	ue					TEL: (90	9) 394-8	947
Att	n: DAVE VA	IN HORSEN				San Dimas	***************************************	State	CA	Z	p Code 9	1773	FAX: (90	9) 394-8	610
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	eby authorize ATL to performated below:	-	end Report To:			Bill To:			Specia	ai Instrucțio	ns/Commer	nts:			
	ject Mgr /Submitter:		tn:			Co: SAME A	C ABOVE								
V	Print Name 6	12/2/11 C	SAME AS ABOVE	·····		Co: SAIVIE A	5 ABOVE								
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Un	mple/Records - Archiv less otherwise requeste leipt and records will be prage Fees (applies wh - Sample : \$2.00 / sample - Records : \$1.00 / ATL	d by client, all sample disposed 1 year after en storage is reque ple / mo (after 45 day	r submittal of final reporested): sted): (S)		er	Circle or Add Analysis(es) Requested	(*) (*) (*) (*) (*) (*) (*) (*) (*) (*)	1 (CIFY APPRO			QA/QC RTNE CT Legal
I T	LAB USE ONLY: Batch #:	S	Sample Description			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$							Con	tainer(s)	Logcode
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	3	DP-7 S-1	C 7'		12.12	<i>X</i>		X		*			_ 1	TP	
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	/	DP-6 G	, W - I			X	Х	X			X		13	J.6	

· TAT starts 8 a.m. following day if samples received after 5 p.m.

EQUIPHENT RINSE TAT: ☐A= Overnight ≤ 24 hrs □ B= Emergency Next workday Container Types: T=Tube V=VOA L=Liter

☐ C= Critical 2 Workdays

□ D= Urgent 3 Workdays

□ E= Routine 7 Workdays P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:

3 V 6

H=Hcl N=HNO3 S=H2SO4 C=4°C Z=Zn(AC)2 O=NaOH T=Na2S2O3

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Cli	ent: Southern Calif	ornia Edison		Addr	ess: 300 N. Lone I	lill Avenue				TEL: (90	9) 394-8	947	
Att	n: DAVID) VAN HORS	ien'	City	San Dimas		State CA	Zip Code	91773	FAX: (90	9) 394-8	610	
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E M	Lab No.	Sample I	D. / Location	Date Time			3/3/ / /3		(\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Contract #	Туре	œ —	MARKS
	119107 - 7	EQUIPMEN	JT RINSE	726 1450) X	X	Х	X		C3	J6		

Emergency Next workday □**B**= · TAT starts 8 a.m. following day if samples received after 5 p.m. Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Rev. 2010-0707

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

☐ C= Critical 2 Workdays

□ D= Urgent 3 Workdays

□ E= Routine 7 Workdays

Preservatives:

H=Hci N=HNO3 S=H2SO4 C=4°C

Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₃

Carmen Aguila

From: Sent: David.Vanhorsen@sce.com Friday, May 27, 2011 3:35 PM

To:

Carmen Aguila

Subject:

Re: WESTLAKE-CAPSTAN CIRCLE, 313725

I am still not sure about "mineral spirits" I need to research that some more. Can I hold those bottles.. I am fine with everything else. Please proceed
Sent via Blackberry

From: "Carmen Aguila" [carmen@atlglobal.com]

Sent: 05/27/2011 02:03 PM MST

To: David Van Horsen

Cc: "Diane Galvan" < diane@atlglobal.com>

Subject: WESTLAKE-CAPSTAN CIRCLE, 313725

Hi Dave,

Per our conversation, this is how we will proceed with the samples submitted for the above project:

- 1. Samples requested for Carbon chain will be reported as C4-C12, C8-10,C10-C18,C18-28,C28-C36, C36-C40,C8-C40 Total.
- 2. Include 8015 Mineral Spirits for the samples requested for 8015 DRO.
- 3. Groundwater samples requested for 8015 GRO/8021 BTEX, report only as TPH CC-C4-C12.
- 4. "J" flag report for 8082 to include MDL.

Please reply to acknowledge. Attached is the coc.

Thank you,

Carmen Aguila

Sample Control Manager



Advanced Technology Laboratories

www.atiglobal.com Tel: (562) 989-4045 ext. 245 Fax: (562) 989-4040

Advanced Technology Laboratories is a full-service environmental lab providing organic and inorganic analyses of soil, water, wastewater, storm water and hazardous waste samples. ATL is accredited by the State of California, NELAP and State of Nevada and holds various SBE, DBE and MBE certificates and a USDA soil permit. ATL takes pride in providing our customers with quick turnaround time, excellent customer service and defensible data while offering very competitive rates. Advanced Technology Labs - Your Partner for Quality Environmental Testing

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ANALYTICAL TESTING RESULTS AND CHAIN OF CUSTODY for JANUARY 2011 SAMPLING EVENT

February 04, 2011



ELAP No.: 1838 NELAP No.: 02107CA CSDLAC No.: 10196 ORELAP No.: CA300003

Workorder No.: 115793

David Van Horsen Southern California Edison 300 N. Lone Hill Avenue San Dimas, CA 91773

TEL: (909) 394-8623 FAX: (909) 394-8593

RE: Westlake Village GW Sampling, 313725

Attention: David Van Horsen

Enclosed are the results for sample(s) received on January 13, 2011 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an amended report. Please disregard all previous documentation that corresponds to the page(s) enclosed.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez

Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Advanced Technology Laboratories

CLIENT:

Southern California Edison

Project:

Westlake Village GW Sampling, 313725

Lab Order:

115793

CASE NARRATIVE

Date: 04-Feb-11

Results were J-Flag. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" Flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Sample Receiving / General Comments

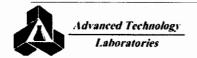
PCB analysis was requested beyond hold time for sample 115793-016A. Results are flagged with an "H" qualifier.

"ND" is defined as less than Method Detection Limit (MDL).

Analytical Comments for Method 8082

Surrogate recovery biased low possibly for sample 115793-007A, due to matrix interferences.

Higher detection limits were required for groundwater sample DP-4, due to insufficient sample volume.



1/19/2011 02:14 PM

Print Date: 04-Feb-11

Advanced Technology Laboratories

CLIENT:

Southern California Edison

Lab Order:

115793

Surr: Tetrachloro-m-xylene

Project:

Westlake Village GW Sampling, 313725

Lab ID:

115793-001A

Client Sample ID: DP-1@8'

Collection Date: 1/12/2011 10:21:00 AM

Matrix: SOIL

%REC

Analys	es	Result	MDL	PQL Q	ual Units	DF Da	te Analyzed
PCBS E	BY GC/ECD					-	
		EPA 3550B		EPA	8082		
RunID:	GC4_110119A	QC Batch: 698	342		PrepDate:	1/18/2011	Analyst: BB
Arock	or 1016	ND	5.0	16	μg/Kg	1	I/19/2011 02:14 PM
Arock	or 1221	ND	5.0	16	μg/Kg	1	1/19/2011 02:14 PM
Arock	or 1232	ND	5.0	16	μg/Kg	1	1/19/2011 02:14 PM
Arock	or 1242	ND	5.0	16	μg/Kg	1	1/19/2011 02:14 PM
Arock	or 1248	ND	5.0	16	μg/Kg	1	1/19/2011 02:14 PM
Arock	or 1254	ND	5.0	16	μg/Kg	1	1/19/2011 02:14 PM
Arock	or 1260	ND	5.0	16	μg/Kg	1	1/19/2011 02:14 PM
Arock	or 1262	ND	5.0	16	μg/Kg	1	1/19/2011 02:14 PM
Arock	or 1268	ND	5.0	16	μg/Kg	1	1/19/2011 02:14 PM
Su	rr: Decachlorobiphenyl	95.6	0	36-124	%REC	1	1/19/2011 02:14 PM

35-141

74.0

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Results are wet unless otherwise specified

- Value above quantitation range
- Analyte detected below quantitation limits J
- Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: DP-2@7'

Lab Order:

115793

Collection Date: 1/12/2011 10:48:00 AM

Project:

Westlake Village GW Sampling, 313725

Matrix: SOIL

Lab ID:

115793-002A

Analys	es	Result	MDL	PQL Q	ual Units	DF Dat	e Analyzed
PCBS I	BY GC/ECD						
		EPA 3550B		EPA	8082		
RunID:	GC4_110119A	QC Batch: 698	42		PrepDate:	1/18/2011	Analyst: BB
Arock	or 1016	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM
Arock	or 1221	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM
Arock	or 1232	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM
Arock	or 1242	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM
Arock	or 1248	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM
Arock	or 1254	ND	5.0	16	μg/Kg	1 1	/19/2011 02: 4 5 PM
Arock	or 1260	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM
Arock	or 1262	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM
Arock	or 1268	ND	5.0	16	μg/Kg	1 1	/19/2011 02:45 PM
Su	rr: Decachlorobiphenyl	66.7	0	36-124	%REC	1 1	/19/2011 02:45 PM
Su	rr: Tetrachloro-m-xvlene	55.4	0	35-141	%REC	1 1	I/19/2011 02:45 PM

Qualifiers:

Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ID Not Detected at the Reporting Limit Results are wet unless otherwise specified E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference

DO Surrogate Diluted Out



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: DP-3@8'

Lab Order:

115793

Collection Date: 1/12/2011 11:29:00 AM

Project:

Westlake Village GW Sampling, 313725

Matrix: SOIL

Lab ID:

115793-003A

Analys	es	Resu	ılt	MDL	PQL	Qual Units	DF D	ate Analyzed
PCBS I	BY GC/ECD							
		EPA 3550B			E	PA 8082		
RunID:	GC4_110119A	QC Batch:	69	842		PrepDate:	1/18/201	1 Analyst: BB
Arock	or 1016	1	ND	5.0	16	μg/Kg	1	1/19/2011 03:16 PM
Arock	or 1221	1	ND	5.0	16	μg/Kg	1	1/19/2011 03:16 PM
Arock	or 1232	1	ND	5.0	16	μg/Kg	1	1/19/2011 03:16 PM
Arock	or 1242	1	ND	5.0	16	μg/Kg	1	1/19/2011 03:16 PM
Arock	or 1248	1	ND	5.0	16	μg/Kg	1	1/19/2011 03:16 PM
Arock	or 1254		ND	5.0	16	μg/Kg	1	1/19/2011 03:16 PM
Arock	or 1260		ND	5.0	16	μg/Kg	1	1/19/2011 03:16 PM
Arock	or 1262		ND	5.0	16	μg/Kg	1	1/19/2011 03:16 PM
Arock	or 1268		ND	5.0	16	μg/Kg	1	1/19/2011 03:16 PM
Su	π: Decachlorobiphenyl	9	7.1	0	36-124	%REC	1	1/19/2011 03:16 PM
Su	π: Tetrachloro-m-xylene	7	2.9	0	35-141	%REC	1	1/19/2011 03:16 PM

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out



ANALYTICAL RESULTS Print Date: 04-Feb-11

Advanced Technology Laboratories

CLIENT:

Southern California Edison

Client Sample ID: DP-4@8'

Lab Order:

115793

Collection Date: 1/12/2011 9:46:00 AM

Project:

Westlake Village GW Sampling, 313725

Matrix: SOIL

Lab ID:

115793-004A

Analys	es	Result	MDL	PQL Q	ual Units	DF Da	te Analyzed
PCBS	BY GC/ECD						
		EPA 3550B		EPA	A 8082		
RunID:	GC4_110119A	QC Batch: 69	842		PrepDate:	1/18/2011	Analyst: BB
Arock	or 1016	ND	5.0	16	μg/Kg	1 1	/19/2011 03:47 PM
Arock	or 1221	ND	5.0	16	μg/Kg	1 1	/19/2011 03:47 PM
Arock	or 1232	ND	5.0	16	μg/Kg	1 1	/19/2011 03:47 PM
Arock	or 1242	ND	5.0	16	μg/Kg	1 '	I/19/2011 03:47 PM
Arock	or 1248	ND	5.0	16	μg/Kg	1 '	I/19/2011 03:47 PM
Arock	or 1254	ND	5.0	16	μg/Kg	1 '	I/19/2011 03:47 PM
Arock	or 1260	ND	5.0	16	μg/Kg	1 '	1/19/2011 03:47 PM
Arock	or 1262	ND	5.0	16	μg/Kg	1	I/19/2011 03:47 PM
Arock	or 1268	ND	5.0	16	μg/Kg	1	1/19/2011 03:47 PM
Su	rr: Decachlorobiphenyl	90.9	0	36-124	%REC	1	1/19/2011 03:47 PM
Su	rr: Tetrachloro-m-xylene	71.5	0	35-141	%REC	1	1/19/2011 03:47 PM

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT: Lab Order: Southern California Edison

115793

Westlake Village GW Sampling, 313725

Client Sample ID: HA-1-9'

Collection Date: 1/12/2011 1:24:00 PM

Matrix: SOIL

Project: Lab ID:

115793-005A

Analyses	Result	MDL	PQL Q	ual Units	DF Da	te Analyzed
PCBS BY GC/ECD						
	EPA 3550B		EPA	8082		
RunID: GC4_110119A	QC Batch: 69	842		PrepDate:	1/18/2011	Analyst: BB
Aroclor 1016	ND	5.0	16	μg/Kg	1 '	I/19/2011 04:18 PM
Aroclor 1221	ND	5.0	16	μg/Kg	1	I/19/2011 04:18 PM
Aroclor 1232	ND	5.0	16	μg/Kg	1	I/19/2011 04:18 PM
Aroclor 1242	ND	5.0	16	μg/Kg	1 .	1/19/2011 04:18 PM
Aroclor 1248	ND	5.0	16	μg/Kg	1 .	1/19/2011 04:18 PM
Aroclor 1254	ND	5.0	16	μg/Kg	1	1/19/2011 04:18 PM
Aroclor 1260	ND	5.0	16	μg/Kg	1	1/19/2011 04:18 PM
Aroclor 1262	ND	5.0	16	μg/Kg	1	1/19/2011 04:18 PM
Aroclor 1268	ND	5.0	16	μg/Kg	1	1/19/2011 04:18 PM
Surr: Decachlorobiphenyl	114	0	36-124	%REC	1	1/19/2011 04:18 PM
Surr: Tetrachloro-m-xylene	94.3	0	35-141	%REC	1	1/19/2011 04:18 PM

Qualifiers:

Analyte detected in the associated Method Blank

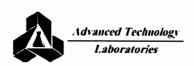
Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit Results are wet unless otherwise specified Value above quantitation range

Analyte detected below quantitation limits

Spike/Surrogate outside of limits due to matrix interference

DO Surrogate Diluted Out



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: HA-2-6'

Lab Order:

115793

Collection Date: 1/12/2011 1:53:00 PM

Project:

Westlake Village GW Sampling, 313725

Matrix: SOIL

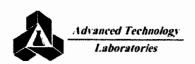
Lab ID:

115793-006A

Analys	es	Result	MDL	PQL Q	ual Units	DF Dat	e Analyzed
PCBS I	BY GC/ECD						
		EPA 3550B		EPA	8082		
RunID:	GC4_110119A	QC Batch: 69	842		PrepDate:	1/18/2011	Analyst: BB
Arock	or 1016	ND	5.0	16	μg/Kg	1 1	/19/2011 04:49 PM
Arock	or 1221	ND	5.0	16	μg/Kg	1 1	/19/2011 04:49 PM
Arock	or 1232	ND	5.0	16	μg/Kg	1 1	/19/2011 04:49 PM
Arock	or 1242	ND	5.0	16	μg/Kg	1 1	/19/2011 04:49 PM
Arock	or 1248	ND	5.0	16	μg/Kg	1 1	/19/2011 04:49 PM
Arock	or 1254	ND	5.0	16	μg/Kg	1 1	/19/2011 04:49 PM
Arock	or 1260	ND	5.0	16	μg/Kg	1 1	/19/2011 04:49 PM
Arock	or 1262	ND	5.0	16	μg/Kg	1 1	/19/2011 04:49 PM
Arock	or 1268	ND	5.0	16	μg/Kg	1 1	/19/2011 04:49 PM
Su	π: Decachlorobiphenyl	110	0	36-124	%REC	1 1	/19/2011 04:49 PM
Su	rr: Tetrachloro-m-xylene	96.1	0	35-141	%REC	1 1	/19/2011 04:49 PM

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out



ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: DP-1

Lab Order:

115793

Collection Date: 1/12/2011 10:58:00 AM

Project:

Westlake Village GW Sampling, 313725

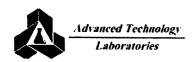
Matrix: GROUNDWATER

Lab ID:

115793-007A

Analyses	Result	MDL	PQL (Qual Units	DF Da	te Analyzed
PCBS BY GC/ECD		•				
	EPA 3510C		EP.	A 8082		
RunID: GC5_110119A	QC Batch: 69	859		PrepDate	e: 1/19/2011	Analyst: BB
Aroclor 1016	ND	0.21	0.53	μg/L	1	1/19/2011 10:06 PM
Aroclor 1221	ND	0.21	0.53	μg/L	1	1/19/2011 10:06 PM
Aroclor 1232	ND	0.21	0.53	μg/L	1	1/19/2011 10:06 PM
Aroclor 1242	ND	0.21	0.53	μg/L	1	1/19/2011 10:06 PM
Aroclor 1248	ND	0.21	0.53	μg/L	1	1/19/2011 10:06 PM
Aroclor 1254	ND	0.21	0.53	μg/L	1	1/19/2011 10:06 PM
Aroclor 1260	ND	0.21	0.53	μ g /L	1	1/19/2011 10:06 PM
Aroclor 1262	ND	0.21	0.53	μg/L	1	1/19/2011 10:06 PM
Aroclor 1268	ND	0.21	0.53	μg/L	1	1/19/2011 10:06 PM
Surr: Decachlorobiphe	nyl 37.8	0	26-112	%REC	1	1/19/2011 10:06 PM
Surr: Tetrachloro-m-xy	ene 46.5	0	48-130	s %REC	1	1/19/2011 10:06 PM

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out



ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: DP-1 Duplicate

Lab Order:

115793

Collection Date: 1/12/2011 11:03:00 AM

Project:

Westlake Village GW Sampling, 313725

Matrix: GROUNDWATER

Lab ID:

115793-008A

Analyses	Result	MDL	PQL Q	ual Units	DF Da	te Analyzed
PCBS BY GC/ECD						
	EPA 3510C		EPA	8082		
RunID: GC5_110119A	QC Batch: 698	359		PrepDate:	1/19/2011	Analyst: BB
Aroclor 1016	ND	0.22	0.56	μg/L	1	1/19/2011 10:35 PM
Aroclor 1221	ND	0.22	0.56	μg/L	1	1/19/2011 10:35 PM
Aroclor 1232	ND	0.22	0.56	μg/L	1	1/19/2011 10:35 PM
Aroclor 1242	ND	0.22	0.56	μg/L	1	1/19/2011 10:35 PM
Aroclor 1248	ND	0.22	0.56	μg/L	1	1/19/2011 10:35 PM
Aroclor 1254	ND	0.22	0.56	μg/L	1	1/19/2011 10:35 PM
Aroclor 1260	ND	0.22	0.56	μg/L	1	1/19/2011 10:35 PM
Aroclor 1262	ND	0.22	0.56	μg/L	1	1/19/2011 10:35 PM
Aroclor 1268	ND	0.22	0.56	μg/L	1	1/19/2011 10:35 PM
Surr: Decachlorobiphenyl	46.5	0	26-112	%REC	1	1/19/2011 10:35 PM
Surr: Tetrachloro-m-xylene	60.4	0	48-130	%REC	1	1/19/2011 10:35 PM

Qualifiers:

Analyte detected in the associated Method Blank

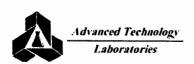
H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference



ANALYTICAL RESULTS

Print Date: 04-Feb-11

Advanced Technology Laboratories

CLIENT: Lab Order: Southern California Edison

11

115793

Westlake Village GW Sampling, 313725

Project: Lab ID:

115793-009A

Client Sample ID: DP-2

Collection Date: 1/12/2011 11:31:00 AM

Matrix: GROUNDWATER

Analyses	Result	MDL	PQL Q	Qual Units	DF Da	te Analyzed
PCBS BY GC/ECD			·			
	EPA 3510C		EP	A 8082		
RunID: GC5_110119A	QC Batch: 69	859		PrepDate:	1/19/2011	Analyst: BB
Aroclor 1016	ND	0.22	0.56	μg/L	1 '	/19/2011 11:05 PM
Aroclor 1221	ND	0.22	0.56	μg/L	1 '	/19/2011 11:05 PM
Aroclor 1232	ND	0.22	0.56	μg/L	1 '	I/19/2011 11:05 PM
Aroclor 1242	ND	0.22	0.56	μg/L	1	I/19/2011 11:05 PM
Aroclor 1248	ND	0.22	0.56	μg/L	1 '	I/19/2011 11:05 PM
Aroclor 1254	ND	0.22	0.56	μg/L	1	I/19/2011 11:05 PM
Aroclor 1260	ND	0.22	0.56	μg/L	1	I/19/2011 11:05 PM
Aroclor 1262	ND	0.22	0.56	μg/L	1	1/19/2011 11:05 PM
Aroclor 1268	ND	0.22	0.56	μg/L	1	1/19/2011 11:05 PM
Surr: Decachlorobipheny	1 42.6	0	26-112	%REC	1	1/19/2011 11:05 PM
Surr: Tetrachloro-m-xyler	ne 60.2	0	48-130	%REC	1	1/19/2011 11:05 PM

Qualifiers:

B Analyte detected in the associated Method Blank

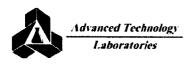
H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference



ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: DP-3

Lab Order:

115793

Collection Date: 1/12/2011 11:41:00 AM

Project:

Westlake Village GW Sampling, 313725

Matrix: GROUNDWATER

Lab ID:

115793-010A

Analys	es	Resu	ılt	MDL	PQL	Qual Units	DF I	Date Analyzed
PCBS I	BY GC/ECD							
		EPA 3510C			E	PA 8082		
RunID:	GC5_110119A	QC Batch:	69	859		PrepDate:	1/19/20	11 Analyst: BB
Arock	or 1016		ND	0.22	0.56	μg/L	1	1/19/2011 11:35 PM
Arock	or 1221		ND	0.22	0.56	μg/L	1	1/19/2011 11:35 PM
Arock	or 1232		ND	0.22	0.56	μg/L	1	1/19/2011 11:35 PM
Arock	or 1242		ND	0.22	0.56	μg/L	1	1/19/2011 11:35 PM
Arock	or 1248		ND	0.22	0.56	μg/L	1	1/19/2011 11:35 PM
Arock	or 1254		ND	0.22	0.56	μg/L	1	1/19/2011 11:35 PM
Arock	or 1260		ND	0.22	0.56	μg/L	1	1/19/2011 11:35 PM
Arock	or 1262		ND	0.22	0.56	μg/L	1	1/19/2011 11:35 PM
Arock	or 1268		ND	0.22	0.56	μg/L	1	1/19/2011 11:35 PM
Su	π: Decachlorobiphenyl	5	1.1	0	26-112	%REC	1	1/19/2011 11:35 PM
Su	л: Tetrachloro-m-xvlene	6	9.3	0	48-130	%REC	1	1/19/2011 11:35 PM

Qualifiers:

B Analyte detected in the associated Method Blank

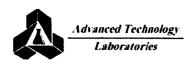
H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference



ANALYTICAL RESULTS

Advanced Technology Laboratories

CLIENT:

Southern California Edison

Client Sample ID: DP-4

Lab Order:

115793

ient Sumple 13. 21

Project:

Westlake Village GW Sampling, 313725

Collection Date: 1/12/2011 2:15:00 PM

Print Date: 04-Feb-11

Lab ID:

115793-011A

Matrix: GROUNDWATER

Analyse	es	Result	MDL	PQL Q	ual Units	DF Da	te Analyzed
PCBS E	BY GC/ECD						
		EPA 3510C		EPA	8082		
RunID:	GC5_110119A	QC Batch: 698	359		PrepDate:	1/19/2011	Analyst: BB
Aroclo	r 1016	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Aroclo	r 1221	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Aroclo	r 1232	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Aroclo	r 1242	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Aroclo	or 1248	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Aroclo	or 1254	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Aroclo	or 1260	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Aroclo	or 1262	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Aroclo	or 1268	ND	2.0	5.0	μg/L	1	1/20/2011 12:05 AM
Sur	r: Decachlorobiphenyl	64.7	0	26-112	%REC	1	1/20/2011 12:05 AM
Sur	r: Tetrachloro-m-xylene	88.9	0	48-130	%REC	1	1/20/2011 12:05 AM

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out



ANALYTICAL RESULTS

Advanced Technology Laboratories

CLIENT:

Southern California Edison

Client Sample ID: HA-1

Lab Order:

115793

Project:

Westlake Village GW Sampling, 313725

Collection Date: 1/12/2011 1:46:00 PM

Print Date: 04-Feb-11

Matrix: GROUNDWATER

Lab ID:

115793-012A

Analys	es	Resu	lt	MDL	PQL	Qual Units	DF Da	te Analyzed
PCBS I	BY GC/ECD							
		EPA 3510C			EF	A 8082		
RunID:	GC5_110119A	QC Batch:	698	359		PrepDate:	1/19/2011	Analyst: BB
Arock	or 1016	1	ND	0.22	0.56	μg/L	1	1/20/2011 12:35 AM
Arock	or 1221	ı	ND	0.22	0.56	μg/L	1	1/20/2011 12:35 AM
Arock	or 1232		ND	0.22	0.56	μg/L	1	1/20/2011 12:35 AM
Arock	or 1242	1	ND	0.22	0.56	μg/L	1	1/20/2011 12:35 AM
Arock	or 1248	1	ND	0.22	0.56	μg/L	1	1/20/2011 12:35 AM
Arock	or 1254	1	ND	0.22	0.56	μg/L	1	1/20/2011 12:35 AM
Arock	or 1260	1	ND	0.22	0.56	μg/L	1	1/20/2011 12:35 AM
Arock	or 1262	1	ND	0.22	0.56	μg/L	1	1/20/2011 12:35 AM
Arock	or 1268	1	ND	0.22	0.56	μg/L	1	1/20/2011 12:35 AM
Su	rr: Decachlorobiphenyl	3	7.2	0	26-112	%REC	1	1/20/2011 12:35 AM
Su	rr: Tetrachloro-m-xylene	6	0.9	0	48-130	%REC	1	1/20/2011 12:35 AM

Qualifiers:

Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit Results are wet unless otherwise specified

- Value above quantitation range
- Analyte detected below quantitation limits
- Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out



ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: HA-2

Lab Order:

115793

Collection Date: 1/12/2011 2:13:00 PM

Project:

Westlake Village GW Sampling, 313725

Matrix: GROUNDWATER

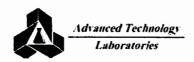
Lab ID:

115793-013A

Analys	es	Result	MDL	PQL Q	ual Units	DF Da	te Analyzed
PCBS	BY GC/ECD						
		EPA 3510C		EPA	8082		
RunID:	GC5_110119A	QC Batch: 69	859		PrepDate:	1/19/2011	Analyst: BB
Arock	or 1016	ND	0.29	0.71	μg/L	1	1/20/2011 01:04 AM
Arock	or 1221	ND	0.29	0.71	μg/L	1	1/20/2011 01:04 AM
Arock	or 1232	ND	0.29	0.71	μg/L	1	1/20/2011 01:04 AM
Arock	or 1242	ND	0.29	0.71	μg/L	1	1/20/2011 01:04 AM
Arock	or 1248	ND	0.29	0.71	μg/L	1	1/20/2011 01:04 AM
Arock	ог 1254	ND	0.29	0.71	μg/L	1	1/20/2011 01:04 AM
Arock	or 1260	ND	0.29	0.71	μg/L	1	1/20/2011 01:04 AM
Arock	or 1262	ND	0.29	0.71	μg/L	1	1/20/2011 01:04 AM
Arock	or 1268	ND	0.29	0.71	μg/L	1	1/20/2011 01:04 AM
Su	rr: Decachlorobiphenyl	33.5	0	26-112	%REC	1	1/20/2011 01:04 AM
Su	rr: Tetrachloro-m-xylene	75.5	0	48-130	%REC	1	1/20/2011 01:04 AM

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified

- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out



ANALYTICAL RESULTS

Print Date: 04-Feb-11

CLIENT:

Southern California Edison

Client Sample ID: Equipment Blank

Lab Order:

115793

Collection Date: 1/12/2011 11:51:00 AM

Project:

Westlake Village GW Sampling, 313725

Matrix: DISTILLED WATER

Lab ID:

115793-014A

Analys	es	Result	MDL	PQL Q	ual Units	DF Da	te Analyzed
PCBS I	BY GC/ECD						
		EPA 3510C		EPA	8082		
RunID:	GC5_110119A	QC Batch: 698	59		PrepDate:	1/19/2011	Analyst: BB
Arock	or 1016	ND	0.20	0.50	μg/L	1 '	I/20/2011 01:34 AM
Arock	or 1221	ND	0.20	0.50	μg/L	1 '	1/20/2011 01:34 AM
Arock	or 1232	ND	0.20	0.50	μg/L	1 '	1/20/2011 01:34 AM
Arock	or 1242	ND	0.20	0.50	μg/L	1 '	1/20/2011 01:34 AM
Arock	or 1248	ND	0.20	0.50	μg/L	1	1/20/2011 01:34 AM
Arock	or 1254	ND	0.20	0.50	μg/L	1	1/20/2011 01:34 AM
Arock	or 1260	ND	0.20	0.50	μg/L	1	1/20/2011 01:34 AM
Arock	or 1262	ND	0.20	0.50	μg/L	1	1/20/2011 01:34 AM
Arock	or 1268	ND	0.20	0.50	μg/L	1	1/20/2011 01:34 AM
Su	rr: Decachlorobiphenyl	63.4	0	26-112	%REC	1	1/20/2011 01:34 AM
Su	rr: Tetrachloro-m-xylene	78.5	0	48-130	%REC	1	1/20/2011 01:34 AM

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike/Surrogate outside of limits due to matrix interference



ANALYTICAL RESULTS Print Date: 04-Feb-11

Advanced Technology Laboratories

CLIENT: Southern California Edison

Lab Order: 115793

Project:

Westlake Village GW Sampling, 313725

Lab ID: 115793-016A Client Sample ID: DP-1 Duplicate

Collection Date: 1/12/2011 10:21:00 AM

Matrix: SOIL

Analyse	es	Result	MDL	PQL	Qual	Units	DF Da	te Analyzed
PCBS E	BY GC/ECD							
		EPA 3550B		E	PA 80	82		
RunID:	GC5_110203A	QC Batch: 70	379			PrepDate:	2/3/2011	Analyst: BB
Aroclo	r 1016	ND	5.0	16	н	μg/Kg	1 :	2/3/2011 06:5 7 PM
Aroclo	r 1221	ND	5.0	16	н	μg/Kg	1 :	2/3/2011 06:57 PM
Aroclo	r 1232	ND	5.0	16	Н	μg/Kg	1	2/3/2011 06:57 PM
Aroclo	r 1242	ND	5.0	16	Н	μg/Kg	1	2/3/2011 06:57 PM
Aroclo	r 1248	ND	5.0	16	н	μg/Kg	1	2/3/2011 06:57 PM
Aroclo	or 1254	ND	5.0	16	н	μg/Kg	1	2/3/2011 06:57 PM
Aroclo	or 1260	ND	5.0	16	н	μg/Kg	1	2/3/2011 06:57 PM
Aroclo	or 1262	ND	5.0	16	н	μg/Kg	1	2/3/2011 06:57 PM
Aroclo	or 1268	ND	5.0	16	H	μg/Kg	1	2/3/2011 06:57 PM
Sur	r: Decachlorobiphenyl	70.2	0	36-124	н	%REC	1	2/3/2011 06:57 PM
Sur	r: Tetrachloro-m-xvlene	68.3	0	35-141	н	%REC	1	2/3/2011 06:57 PM

Qualifiers:

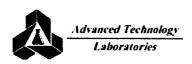
Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit Results are wet unless otherwise specified Value above quantitation range

Analyte detected below quantitation limits

Spike/Surrogate outside of limits due to matrix interference



Date: 04-Feb-11

CLIENT:

Project:

Southern California Edison

Work Order:

115793

Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: MB-69842	SampType: MBLK	TestCode: 8	082_S	Units: µg/Kg		Prep Da	te: 1/18/20	11	RunNo: 12	8947	
Client ID: PBS	Batch ID: 69842	TestNo: E	PA 8082	EPA 3550B		Analysis Da	te: 1/19/20	11	SeqNo: 20	90162	
Analyte	Result	PQL SP	K value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	16									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	14.173		16.67		85.0	36	124				
Surr: Tetrachloro-m-xylene	13.604		16.67		81.6	35	141				
Sample ID: LCS-69842	SampType: LCS	TestCode: 8082_S Un		Units: µg/Kg		Prep Dat	e: 1/18/20	11	RunNo: 128	3947	
Client ID: LCSS	Batch ID: 69842	TestNo: El	PA 8082	EPA 3550B		Analysis Dat	e: 1/19/20	11	SeqNo: 209	90163	
Analyte	Result	PQL SP	K value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	129.357	16	166.7	0	77.6	56	100				
Aroclor 1260	165.217	16	166.7	0	99.1	57	110				
Surr: Decachlorobiphenyl	14.063		16.67		84.4	36	124				
Surr: Tetrachioro-m-xylene	14.098		16.67		84.6	35	141				
Sample ID: MB-69842MS	SampType: MS	TestCode: 80	82_S	Units: µg/Kg		Prep Dat	e: 1/18/20	11	RunNo: 128	947	
Client ID: ZZZZZZ	Batch ID: 69842	TestNo: EF	PA 8082	EPA 3550B		Analysis Dat	e: 1/19/20	11	SeqNo: 209	0164	
Analyte	Result	PQL SPI	value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	122.149	16	166.7	0	73.3	51	108				
Aroclor 1260	142.030	16	166.7	0	85.2	53	120				
Surr: Decachlorobiphenyl	13.669		16.67		82.0	36	124				
Qualifiers:											

Qualifiers:

B Analyte detected in the associated Method Blank
J Analyte detected below quantitation limits

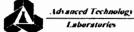
E Value above quantitation range

D Not Detected at the Reporting Limit

Spike/Surrogate outside of limits due to matrix interference DO Surrogate Diluted Out

H Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits Calculations are based on raw values



Southern California Edison

Work Order:

115793

Project:

Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082 S

Sample ID: MB-69842MS	SampType: MS	TestCod	de: 8082_S	Units: µg/Kg		Prep Da	te: 1/18/20)11	RunNo: 12	8947	
Client ID: ZZZZZZ	Batch ID: 69842	TestN	lo: EPA 8082	EPA 3550B		Analysis Da	te: 1/19/20)11	SeqNo: 20:	90164	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	12.886		16.67		77.3	35	141				
Sample ID: MB-69842MSD	SampType: MSD	TestCod	le: 8082_S	Units: µg/Kg		Prep Dat	te: 1/18/20)11	RunNo: 128	3947	
Client ID: ZZZZZZ	Batch ID: 69842	TestN	lo: EPA 8082	EPA 3550B		Analysis Dat	te: 1/19/20	11	SeqNo: 209	90165	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	125.977	16	166.7	0	75.6	51	108	122,1	3.09	20	
Aroclor 1260	143.921	16	166.7	0	86.4	53	120	142.0	1.32	20	
Surr: Decachlorobiphenyl	14.082		16.67		84.5	36	124		0	20	
Surr: Tetrachloro-m-xylene	13.517		16.67		81.1	35	141		0	0	

Qualifiers:

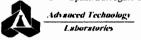
B Analyte detected in the associated Method Blank

Analyte detected below quantitation limits

Value above quantitation range ND Not Detected at the Reporting Limit

Spike/Surrogate outside of limits due to matrix interference Surrogate Diluted Out Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits Calculations are based on raw values



Southern California Edison

Work Order:

115793

Project:

Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

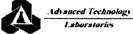
Sample ID: MB-70379	SampType: MBLK		de: 8082_S	Units: µg/Kg		Prep Da	te: 2/3/20	11	RunNo: 12		
Client ID: PBS	Batch ID: 70379	TestN	lo: EPA 8082	EPA 3550B		Analysis Da	te: 2/3/201	11	SeqNo: 210	02288	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	N D	16									
Aroclor 1221	ND	16									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	9.500		16.67		57.0	36	124				
Surr: Tetrachloro-m-xylene	11.596		16.67		69.6	35	141				

Sample ID: LCSA-70379	SampType: LCS	TestCo	de: 8082_S	Units: µg/Kg		Prep Da	te: 2/3/201	1	RunNo: 129	9550	
Client ID: LCSS	Batch ID: 70379	Test	No: EPA 8082	EPA 3550B		Analysis Da	te: 2/3/201	1	SeqNo: 21 0	02289	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	110.185	16	166.7	0	66.1	56	100				
Aroclor 1260	119.058	16	166.7	0	71.4	57	110				
Surr: Decachlorobiphenyl	10.082		16.67		60.5	36	124				
Surr: Tetrachloro-m-xylene	12.048		16.67		72.3	35	141				

Sample ID: 115793-016AMSA	SampType: MS	TestCo	de: 8082_S	Units: µg/Kg		Prep Da	te: 2/3/201	1	RunNo: 129	550	
Client ID: DP-1 Duplicate	Batch ID: 70379	Test	lo: EPA 8082	EPA 3550B		Analysis Da	te: 2/3/201	1	SeqNo: 210	2290	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	129.861	16	166.7	0	77.9	51	108				Н
Aroclor 1260	144.220	16	166.7	0	86.5	53	120				Н
Surr: Decachlorobiphenyl	12.261		16.67		73.6	36	124				Н
Surr: Tetrachloro-m-xylene	13.593		16.67		81.5	35	141				Н

- B Analyte detected in the associated Method Blank
- J Analyte detected below quantitation limits
- E Value above quantitation range
- ND Not Detected at the Reporting Limit
- S Spike/Surrogate outside of limits due to matrix interference DO Surrogate Diluted Out

- H Holding times for preparation or analysis exceeded
- RPD outside accepted recovery limits
 Calculations are based on raw values



Southern California Edison

Work Order:

115793

Project:

Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: 115793-016AMSDA Client ID: DP-1 Duplicate	SampType: MSD Batch ID: 70379		de: 8082_S do: EPA 8082	Units: µg/Kg EPA 3550B		Prep Dat	te: 2/3/201		RunNo: 129		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	,		RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	127.124	16	166.7	0	76.3	51	108	129.9	2.13	20	Н
Aroclor 1260	141.367	16	166.7	0	84.8	53	120	144.2	2.00	20	н
Surr: Decachlorobiphenyl	12.288		16.67		73.7	36	124		0	20	Н
Surr: Tetrachloro-m-xylene	13.081		16.67		78.5	35	141		0	0	н

Qualifiers:

Analyte detected in the associated Method Blank

Value above quantitation range

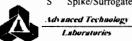
Analyte detected below quantitation limits Not Detected at the Reporting Limit

Spike/Surrogate outside of limits due to matrix interference DO

Surrogate Diluted Out

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits Calculations are based on raw values



Southern California Edison

Work Order:

115793

Project: Westlake Village GW Sampling, 313725

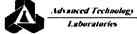
ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: MB-69859	SampType: MBLK	TestCo	de: 8082_W	Units: µg/L		Prep Da	te: 1/19/20)11	RunNo: 12	8977	
Client ID: PBW	Batch ID: 69859	Test	No: EPA 8082	EPA 3510C		Analysis Da	te: 1/19/20	011	SeqNo: 20	90672	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50									
Aroclor 1221	ND	0.50									
Aroclor 1232	ND	0.50									
Aroclor 1242	ND	0.50									
Aroclor 1248	ND	0.50									
Aroclor 1254	ND	0.50									
Aroclor 1260	ND	0.50									
Aroclor 1262	ND	0.50									
Aroclor 1268	ND	0.50									
Surr: Decachlorobiphenyl	0.395		0.5000		78.9	26	112				
Surr: Tetrachloro-m-xylene	0.438		0.5000		87.6	48	130				
Sample ID: LCS-69859	SampType: LCS	TestCo	de: 8082_W	Units: µg/L		Prep Dat	te: 1/19/20	11	RunNo: 12	8977	
Client ID: LCSW	Batch ID: 69859	Test	No: EPA 8082	EPA 3510C		Analysis Dat	te: 1/19/20	11	SeqNo: 20	90673	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.939	0.50	5.000	0	78.8	54	97				
Arodor 1260	4.217	0.50	5.000	0	84.3	56	103				
Surr: Decachlorobiphenyl	0.397		0.5000		79.4	26	112				
Surr: Tetrachloro-m-xylene	0.445		0.5000		88.9	48	130				
Sample ID: MB-69859-MS	SampType: MS	TestCod	de: 8082_W	Units: µg/L		Prep Dat	e: 1/19/20	11	RunNo: 12	8977	
Client ID: ZZZZZZ	Batch ID: 69859	TestN	lo: EPA 8082	EPA 3510C		Analysis Dat	e: 1/19/20	11	SeqNo: 20	90674	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.878	0.50	5.000	0	77.6	54	97				, '
	4.069	0.50	5.000	0	81.4	56	103				
Aroclor 1260				-							
Aroclor 1260 Surr: Decachlorobiphenyl	0.398		0.5000		79.5	26	112				

- B Analyte detected in the associated Method Blank
- J Analyte detected below quantitation limits
- E Value above quantitation rangeND Not Detected at the Reporting Limit
- Spike/Surrogate outside of limits due to matrix interference DO Surrogate Diluted Out

- H Holding times for preparation or analysis exceeded
- R RPD outside accepted recovery limits Calculations are based on raw values



Southern California Edison

Work Order:

115793

Project:

Westlake Village GW Sampling, 313725

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: MB-69859-MSD Client ID: ZZZZZZ	SampType: MSD Batch ID: 69859		de: 8082_W No: EPA 8082	Units: µg/L EPA 3510C		Prep Dat Analysis Dat	e: 1/19/20 e: 1/19/20		RunNo: 128 SeqNo: 209		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.943	0.50	5.000	0	78.9	54	97	3.878	1.68	20	
Aroclor 1260	4.153	0.50	5.000	0	83.1	56	103	4.069	2.05	20	
Surr: Decachlorobiphenyl	0.409		0.5000		81.7	26	112		0	0	
Surr: Tetrachloro-m-xylene	0.453		0.5000		90.6	48	130		0	0	

Qualifiers:

Analyte detected in the associated Method Blank В

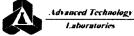
Analyte detected below quantitation limits

Value above quantitation range Ε Not Detected at the Reporting Limit

S Spike/Surrogate outside of limits due to matrix interference DO Surrogate Diluted Out

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits Calculations are based on raw values



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T	'el: (562) 989-4045 • Fax: (5	562) 989-4040	proper pricing of yo	our proj	ect.				Otner:			3. C	ONTAINE	RINTA	CT Y	ZNO	6. PR	ESERVED		Y 🗆 N 🖯
Cli	ent: Southern Califor	nia Edison			Addre	ss: 300	N. Lone	Hill Ave	nue							TE	L: (9(09) 394-8	3947	7
Att	in: David Va	n Hors	en		City	San D	imas			State	CA		Zip Co	de 9	1773	FA	x: (90	09) 394-8	3610)
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	5	HA-	1-9'		13:24	X						X				E	1	J6		
	Ĺ	HA -:	2-61		13:53	X						λ				E	1	J6		
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	9	DP-	2 `			X							X			E	1	6		
	6 13	Client ATL A B O R AT O R I E S Valout Ave., Signal Hill, CA 90755 NOTE: Please include your Quote No. to ensure GSD G																		
• т	AT starts 8 a.m. following day	### A D R A TO R I E S But Ave., Signal Hill, CA 90755 989-403 - Fax: (562) 989-4040 NOTE: Please include your Quote No. to ensure GSD GOD G																		
	amples received after 5 p.m.		2241113	The second second			2 440	THE RESERVE		3 440		S	1/4	C 111 *** *** ***						
		Walnut Avc., Signal Hill, CA 90755 5(52) 989-4045 - Fax; (56) 999-4046 NOTE: Please include your Quote No. to ensure proper pricing of your project. Southern California Edison David Value Code Sampler Cry San Dirnas Cry San Dirnas Project II: Cry San Dirnas Cry San Dirnas Special Instructions Comments Date: Cry San Dirnas Special Instructions Comments Date: Cry San Dirnas Special Instructions Comments Date: Cry San Dirnas Special Instructions Comments Ann.																		

CHAIN OF CUSTODY RECORD FOR LABORATORY USE ONLY: Method of Transport P.O.#: Quote #: ADVANCED TECHNOLOGY Sample Condition Upon Receipt ATL ☐ Client 1. CHILLED Y N 1 4. CUSTODY SEAL YON LABORATORIES ☐ FedEx OnTrac 2. HEADSPACE (VOA) Y N S 5. # OF SPLS MATCH COC Y N N ☐ GSO 3275 Walnut Ave., Signal Hill, CA 90755 NOTE: Please include your Quote No. to ensure Other: 3. CONTAINER INTACT Y N 5 6. PRESERVED YENE Tel: (562) 989-4045 • Fax: (562) 989-4040 proper pricing of your project. Client: Southern California Edison TEL: (909) 394-8947 Address: 300 N. Lone Hill Avenue Project Name: Westlah Village 6w Sampling 313 Zip Code 91773 FAX: (909) 394-8610 City San Dimas State CA Sampler: Time 66 Received by: Relinquished by: (Signature) Received by: (Signature and Pri Time: 1300 Time: Relinquished by: (Semeture and Printed Name) Received by: (Signature and Printed Name) hereby authorize ATL to perform the work Send Report To: Bill To: *DP-4 has very low amount of sample due to lack of temporer well production. indicated below: Project Mar /Submitter: Co: SAME AS ABOVE Co: SAME AS ABOVE Ethan Carlide 1-12-11 Addr: Addr: State: City: State: QA/QC Circle or Add Sample/Records - Archival & Disposal SPECIE SAPPROPRIATE MATRIX Unless otherwise requested by client, all samples will be disposed 45 days after Analysis(es) RVATION RTNE receipt and records will be disposed 1 year after submittal of final report. CT [Storage Fees (applies when storage is requested): Legal 🗍 · Sample: \$2.00 / sample / mo (after 45 days) SWRCB Records: \$1.00 / ATL workorder / mo (after 1 year) SE Logcode Container(s) LAB USE ONLY: Sample Description Batch #: ш OTHER Ε Œ TAT # Lab No. Sample I.D. / Location Date Time Type REMARKS M 111793 - 11 1-12-11 14:15 12 13:46 13 14:13 W 1-12-11:51

. TAT starts 8 a.m. following day if samples received after 5 p.m.

Overnight TAT: 🗆 A= ≤ 24 hrs

Emergency Next workday

Critical ☐ C= 2 Workdays

□ D= Urgent 3 Workdays

□ E= Routine 7 Workdays Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:

H=Hcl N=HNO3 S=H2SO4 C=4°C Z=Zn(AC)2 O=NaOH T=Na2S2O3

Diane Galvan

From:

David.Vanhorsen@sce.com

Sent:

Thursday, February 03, 2011 11:48 AM

To: Subject: Diane Galvan RE: J-Flag Results

DP-1 Duplicate...

dvh

David Van Horsen, RG, CEG Technical Specialist 4 Engineering & Technical Services Power Production Department Pax 47623 OFC-909-394-8623 Cell-818-469-6943

From:

"Diane Galvan" < diane@atlqlobal.com>

To: <<u>Da</u>
Date 0
Subject

<David.Vanhorsen@sce.com>
02/03/2011 11:43 AM
 RE: J-Flag Results

Hi David,

OK, I will generate a new report once the DUP analysis has been completed tomorrow. How do you want the sample ID to be listed for the duplicate run? Please advise.

Thanks,

Diane

From: David.Vanhorsen@sce.com [mailto:David.Vanhorsen@sce.com]

Sent: Thursday, February 03, 2011 11:37 AM

To: Diane Galvan

Subject: Re: J-Flag Results

Diane:

OK.. I think this looks good.

- 1. Please analyze remaining soil from sample DP-1 as the duplicate sample. This sample should be on a 24 hour rush basis.
- 2. In the final lab report (to contain the requested soil duplicate test) please include a Case Narrative sheet with the following:

"Higher detection limits were required for groundwater sample from DP-4 due to insufficient sample quantity"

"ND" is defined as less than MDL.

Thank you for the help working through this.

Regards,

dvh

David Van Horsen, RG, CEG Technical Specialist 4 Engineering & Technical Services Power Production Department Pax 47623 OFC-909-394-8623 Cell-818-469-6943 SCE PCB Spill: NRC # 951155; Cal-EMA # 10-4769 (07/18/10) August 30, 2011 Page 9

ATTACHMENT # 5

Uniform Hazardous Waste Manifest # 002684980 and # 004552750 FLE + TSCA Manifest Continuation Form

Pleas	e prin	t or type. (Form desig					SC FF II	6/4/2U	/T/\	Forn	n Approved	I. OMB No	. 2050-0039
\parallel	WA	STE MANIFEST		ber 9194134	2. Page 1 c	(80	gency Respons () 451-8	346	4. Manifest 7	268	498	30 I	FLE
	5. Geni Thc	erator's Name and Mailin	g Address			Generato	r's Site Address	s (il dillerent th	an mailing addres	s)			
	Sou	uthern Ca Edisc semead, CA 91	on Co 2244 Y L770	Vainut Grove A ATTN:PHIL JO			9 Foothill Isand Oal		361				
-	Genera	alor's Phone: (805) 4 sporter 1 Company Nam	1374~ 1 V*+ 1	ATTN:PHIL JU	MAS	<u></u>			II C EDATO				
	Cle	ean Harbors En	vironmental	Services Inc					U.S. EPAID N	039	3222	250	
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TSCA MANIFEST CONTINUATION FORM

MANIFEST NUMBER: 002684980FLE

Date Removed From Service	PPM	Serial Number/Unique ID Number	Type/Description	Weight (Pounds)	Weight (Kilograms)
07/18/10	166	H235218P68A / 2320276	Transformer	550	250
07/18/10	166	24857	Soil/Debris	500	254
07/18/10	166	24858	Soil/Debris	500	227
07/18/10	166	24859	Soil/Debris	100	45
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		Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA A I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantities).	cknowledgment	of Consent.		~		,		
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TSCA MANIFEST CONTINUATION FORM

MANIFEST NUMBER:
GENERATOR NAME:
Southern California Edison Woodland Hills Site
ADDRESS: 3701 Capstain Circle, Westlake, CA 91361
EPA ID: CAC002656542

Date Removed From Service	PPM	Serial Number/Unique ID Number	Type/Description	Weight (Pounds)	Weight (Kilograms
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August 30, 2011

Peter J. Raftery, PG, CHG.
California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Certified Mail Receipt #

7010 0780 0000 5788 9578

Subject:

TRANSMITTAL OF SOIL EXCUVATION WORK PLAN - SOUTHERN

CALIFORNIA EDISON BURIED RESIDENTIAL TRANSFORMER (STRUCTURE No. 5024599), 3701 CAPSTAN CIRCLE, WESTLAKE VILLAGE, CALIFORNIA

(SCP NO. 1254, SITE ID. NO. 2040385)

Dear Mr. Raftery:

Enclosed is the signed and stamped original copy of the Soil Excavation Work Plan that is being also submitted the US Environmental Protection Agency for review and approval. This document is being uploaded and submitted electronically via Geotracker.

If you have any questions and/or need additional information, please feel free to call me at (626) 462-8740.

Best Regards

Mary Zepeda

Project Manager

Operations Support Business Unit

Water/Waste and Environmental Engineering

Technical Services and Program Management Section

Corporate Environment, Health & Safety Division

Southern California Edison

cc: Joshua Nichols

Jared Blumenfeld, USEPA Regional Administrator

Carmen Santos, USEPA Region IV's Regional PCB Administrator

Enclosure